| Home | Owner's Name: | Date: 12-21-90 |
|-------|--|---|
| Addre | (b) (6)(b) (6)(b) (6) (b) (6)(b) (6)(b) (6)(b) (6) (c) (d) (d) (d) (d) (d) (e) (e) (e) (find the content of t | Home Phone: 257-3519 Work Phone: |
| 1. | Please describe the type of home well you presently utilize: (Check those which apply) Dug well | NUS CORPORATION REGION 2 |
| | Drilled by a rig; if so, please identify company (r YUS:15 id ler Well Drilling 536-5468 | • |
| | Other (describe) | |
| 1a. | Please estimate the following: Year installed <u>App.</u> Date of last service <u>//</u> Company who serviced (name, address, and phone): <u>5.4</u> | 13/1977 |
| 2. | Please provide the following measurements of your well: | |
| | a. Total depth: | |
| 3. | Please describe the casing material used in your well: | |
| | a. Composition Iron PVC Galvanized | Terra Cotta Other - Please Specify (if known) |
| | b. Length (if known): | |

| Hom | e Owne | er's Name: Date: Date: |
|------------|--------|--|
| 4. | Plea | ise describe, if known, any screening material used in your well: |
| | · a. | Length of screen: |
| | b. | Depth of screen in well: |
| 5. | Plea | ise indicate, if known, the depth to the groundwater in your well (from the surface): |
| 6 . | Plea | ise indicate the composition of home plumbing (pipes) in your system: |
| | | Iron PVC Galvanized Lead |
| | | Other (describe): |
| 7. | Plea | ise describe the water pump used in your system: |
| | a. | Location of the pump |
| | | Inside the well (submersible pump); Depth in well: Outside the well (indicate location): Basement |
| | b. | Type of pump |
| | | Branch (if known): <u>Jet (Myers)</u> Capacity (gallons per minute): |
| | c. | Estimate hours of pump operation per day: 1/2 hr. |
| | d. | Is storage tank used: Yes No Type (material) Yes No Capacity 42 qa/ |
| 8 . | a. | Do you regularly or have you ever added chemicals directly to your well? |
| | | (i.e., chlorine, clorox, etc.) Yes No |
| | | If yes, date last added: Approximate amount added |
| | | Compound (brand name): |

| te Owner's Name: | Date: 12-21-90 |
|--|---|
| | currently using (check those |
| | Orban (a. al. :) |
| | Other (explain) |
| , | |
| | |
| Indicate Brand: <u>Seuv S</u> | |
| Please indicate any testing that has been done on your water: | |
| 10.01 | • |
| Date of testing: 1983 | 0 |
| Name of individual(s) responsible for testing: 1046K5 | <u>Co.</u> |
| Well Use: Drinking Oth | er: |
| Do you notice color, taste, or odor problems with well water? | Yes No |
| If yes, identify: | |
| | |
| Do you notice water supply problems? Yes | V No |
| | _ |
| | |
| Please indicate the type(s) of wastewater system used (check): | |
| | |
| Septic Tank Cesspool Drain Field | ı |
| Distance to Well 150 kT | |
| | |
| We may be taking water samples from many area homes in th | e near future. If your well is |
| chosen for sampling, would you be willing to allow our NUS re | epresentatives to sample your |
| well? Sampling involves collecting water from one of your indo | or or outdoor spigots. |
| Yes, I will allow my well to be sampled. | |
| No. I will not allow my well to be sampled. | |
| | b. Please describe any type of water treatment you are of which apply): Filtration Type: Water Softeners Indicate Brand: Sews Please indicate any testing that has been done on your water: Date of testing: Date of individual(s) responsible for testing: Well Use: Drinking Oth Do you notice color, taste, or odor problems with well water? If yes, identify: Do you notice water supply problems? Yes If yes, when: Please indicate the type(s) of wastewater system used (check): Sewer Line Septic Tank Cesspool Drain Field Distance to Well Distance to Well Sampling would you be willing to allow our NUS rewell? Sampling involves collecting water from one of your index Yes, I will allow my well to be sampled. |

| Home | Owner's Name: Date: 12-21-90 |
|------|--|
| | If yes, please indicate the time of day which would be convenient for us to sample. |
| 14. | Morning Afternoon Evening Call 257-3519 In the space below, please furnish a rough sketch of your property, indicating the location of your well and on-lot wastewater system, if applicable. Also indicate the location of the spigot you would prefer us to sample. |
| | troperty is in West Rockhill Township was recently wedowed - never you all available information |

TELECON NOTE NUS CORPORATION AND SUBSIDIARIES CONTROL NO: TIME: DATE: Iractive L.F. OF: **BETWEEN** Park Ten In 1251362-2715 AND:



ORIGINAL (Red)

999 WEST VALLEY ROAD WAYNE, PENNSYLVANIA 19087 (215) 971-0900

SAMPLE RECEIPT

| On Dec. 05, 1991 HALLIBURT | TON NUS Environmental Corporation |
|--|-----------------------------------|
| representative Paul Dauls received | d permission from |
| to remove material(s) from his/her property in the following | |
| , | .5 |
| 4 80-ounce glass sample bottle(s) | 4-ounce glass sample jar(s) |
| 40-mililiter glass sample bottle(s) | 1-liter glass sample bottle(s) |
| 1-liter polyethylene sample bottle(s) | 32-ounce glass sample jar(s) |
| 8-ounce glass sample jar(s) | 16-ounce glass sample jar(s) |
| o ounce grass sumple jui(s) | to durine glass sample jui(s) |
| Paul M. Wavos HALLIBURTON NUS Representative | 12-05-9 / Date |
| Property Owner/Representative | 12-05-11 Date |
| | |
| | • |
| Property Address/Location: | |
| SBMWW Supply Well NO.5 | |
| 9th street | |
| | |
| Dhone No. / | |
| Phone No. () | |
| For information, contact: | |
| Freedom of Information Act | |
| United States Environmental Protection Agency 841 Chestnut Building | |
| Ninth and Chestnut Streets Philadelphia, Pennsylvania 19107 | |
| (215) 597-9800 | |
| | |
| | |
| EPA NO.: PA-2803 | |
| EPA NO.: PA-2803 | |



999 WEST VALLEY ROAD WAYNE, PENNSYLVANIA 19087 (215) 971-0900

SAMPLE RECEIPT



| on December 5, 1991 | HALLIBURTON | NUS Environme | ntal Corporatio |
|--|--------------------|--|------------------|
| representative <u>Donald Whalen</u> | received pe | rmission from | |
| to remove material(s) from his/her property | in the following c | ontainer(s): | |
| 2 80-ounce glass sample bottle(s) 3 40-milliter glass sample bottle(s) 2 1-liter polyethylene sample bottle(s) 8-ounce glass sample jar(s) | ÷,, | 4-ounce glass s 32-ounce glas 16-ounce glass | ss sample jar(s) |
| HALLIBURTON NUS Representative | | <u>(२/५/२।</u> Date | |
| Property Owner/Representative | | Date | |
| Property Address/Location: N. main street Sellers ville, Pa. 1898 | 80 | | |
| Phone No. (215) 723-7671 | | | |
| For information, contact: | | | |
| Freedom of Information Act United States Environmental Protection Age 841 Chestnut Building Ninth and Chestnut Streets Philadelphia, Pennsylvania 19107 (215) 597-9800 | ency | | |
| | | | |
| EPASIO: <u>Lynnette Elser</u> EPANO.: <u>PA-2803</u> | | | |
| EPA NO.: <u>PA - 1803</u> | | | |

HW-Z



999 WEST VALLEY ROAD WAYNE, PENNSYLVANIA 19087 (215) 971-0900

SAMPLE RECEIPT



| on December 5 | HALLIBURTON | NUS Environmental | Corporation |
|--|---------------------|----------------------|--------------|
| representative Donald Whalen | received per | mission from | |
| to remove material(s) from his/her property | in the following co | ntainer(s): | |
| | | | |
| 2 80-ounce glass sample bottle(s) | | 4-ounce glass sam | ple jar(s) |
| 3 40-milliter glass sample bottle(s) | | 1-liter glass sample | le bottle(s) |
| 1-liter polyethylene sample bottle(s) | | 32-ounce glass sa | mple jar(s) |
| 8-ounce glass sample jar(s) | | 16-ounce glass sai | mple jar(s) |
| | | | |
| Darel Wholen | | 12/5/91 | |
| HALLIBURTON NUS Representative | | Date | |
| | | | |
| (114)///// | | 17-0 01 | |
| Property Owner/Representative | | 12-5'-9/ | |
| Property Owner/Representative | | Date | |
| • | | | |
| Property Address/Location: | | | |
| Faith Baptist Church | | | |
| Faith Baptist Church N. Main Street | | | |
| Sellersville, Pa. 18960 | | | |
| Phone No. (215): 257-503/ | | | |
| | | | |
| For information, contact: | | | |
| Freedom of Information Act | | | |
| United States Environmental Protection Age | ncy | | |
| 841 Chestnut Building Ninth and Chestnut Streets | | | |
| Philadelphia, Pennsylvania 19107 | | | |
| (215) 597-9800 | | | |
| | | | |
| EPASIO: Lyanette Elser | | | |
| 0 -0 - | | | |

NUS CORPORATION AND SUBSIDIARIES

TELECON NOTE

| CONTROL NO: | DATE: | TIME: | 200 A |
|-----------------------|---|---------------|-------------|
| 3263-05 | 5 12.20-91 | | |
| DISTRIBUTION: | | | |
| loach | e Candfill | | |
| 77466 7766 | | | |
| | | | |
| BETWEEN: | OF: | PHONE: | |
| Charles Andrichyn | PTI | (215) 362- | 2715 |
| PAUL DAVIS | | | |
| DISCUSSION: | | | |
| Purpose of lat | 1 was to Clarity | the follow | lowing: |
| • | • | e. i | |
| - Kinnel, Lorah | , & Associates (| kinnel) 15 | a |
| - | C. Andrichyon and | | ` |
| par mas | 1000 | | |
| | | | |
| - PTI bought | the Site in bi | ts & pieces | during |
| 1968. | | | |
| | | | |
| - PTI (partnershy | is) Intended to Ser | Il the proper | ky to |
| | Detris, DePetris in | _ | → |
| property into a. | Shopping Center. Ther | n, an article | ran In |
| the town newspape | or about US Garge | Radium pa | int allegal |
| being dumped on | the property during | the 1940's | 50'5 |
| That article spar | ted an investigat | ion for the | e Radium |
| ACTION ITEMS: | 050 | 2 4:11 h | 1, |
| 1/ 1103, | RSO was a | on Macred 10 | <u>ao</u> |
| Preliminary Assessmen | t in 1986 and | to locate | The radian. |
| Rso did eventual | ly find the Source | and removed | mus F |
| of it. De Pet | t in 1986 and by find the Source of this later declined | on the pur | chuse of |
| the property. | | | |
| . , , | Paul | 1(No 12- | 20-91 |

NUS CORPORATION AND SUBSIDIARIES

TELECON NOTE

| CONTROL NO: | DATE: | TIME: |
|----------------|-----------------------|---------------------------------|
| 3263-05 | 12-06-91 | 1447 |
| DISTRIBUTION: | | |
| mactive Cu | ndfill | |
| | | |
| | Tor | PHONE: |
| BETWEEN: | OF: SMO | (703) 519-1471 |
| Jonathun Rude | 3/10 | (703) 311-1411 |
| PAUL DAVIS | | |
| DISCUSSION: | | 2 / 1 |
| I Called in | a shipment for | Region 3 to the |
| Smo. | | |
| CASE NO. 17514 | Shipment comp | oleted 12/05/91 |
| | , | , , |
| 000 | | Foil Scan |
| 12 3 | P | les blanks) > (w4, BNA, Rest QC |
| | Trip blank (UDA'S | only) |
| | Solids | |
| Shoped to: (| compochem labs | Fed. Express |
| | ' | 10. 3742091312 |
| 1.00 | | |
| Inorganic | | metals & |
| | aqueous (includes | blank) full Scan cyande |
| 14 | olids | |
| Shipped to: | IT Analytical Service | es, Export, Pa. |
| Fed. Express A | irbill No. 374209, | 1323 |
| ACTION ITEMS: | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | Paul | 14 Warie 12-6-91 |



NUS CORPORATION SUPERFUND DIVISION

PROJECT NOTES

| то: | DATE: |
|--------------|--|
| FROM: | COPIES: |
| SUBJECT: | |
| REFERENCE: | |
| : Calling in | a Shipment for Region 3" |
| CASE # 1 | 7514 Shipment Complete 12/05/91 |
| ORGANIC | 12 SII aqueous (includes blanks) full soun (1 Trip blank (voas only) (voa, BNA, Post/f 14 Solids |
| Shipp | Fed. Ex. No.: 3742091312 |
| Inorganic | 11 aqueous (includes blank) full scan 14 solids (metals/cyani |
| | Shipped to: IT Analytical Services, Fenna, airbill > Fed. Ex. No.: 3742091323 |
| | |
| Call Jona | than Rude (703) 519-1471 |

| Contract Lab | States Environmental Pro loratory Program Sample O Box 818 Alexandria, V 703-557-2490 FTS 55 | Manageri Office /A 22313 | & Chain | anic Traffic of Custody Inorganic CLP Ana | y A∵čord | (if applica | bie) | 17514 |
|---|---|------------------------------------|---|---|------------------------|----------------------|--|---|
| Project Code Account Code | 2. Region No. | Sampling Co. HNUS Corp. | 4. Date Shipp | ed Carrier | al Express | · (En | tive nter in | 7. Sample Description (Enter |
| egional Information | Sampler (Name) | | Airbill Number | | • | 1 | umn D) | ìn Column A) |
| | PAUL M. | DAVIS | 37420 | 91323 | | 1. H | NO3 | Surface Water Ground Water |
| on-Superfund Program | Paul M. K | ano | 5. Ship To | Analy tical | Services . Penn Hwy | 3. N 4. H 5. K | 2SO4 2CR2O7 | 3. Leachate 4. Rinsate 5. Soil/Sediment |
| te Name | 4. Type of Activity | Remedial Removal | 5103 | old wm | . Penn Hwy | 6. lc | e only ther | 6. Oil (SAS) |
| nuctive land fill ty, State Site Spill ID | SF Remedial R | RA 🔲 REM 🗀 | Export | , Penna | . 15632 | 1 (| SAS) Specify) | 7. Waste (SAS) 8. Other (SAS) (Specify) |
| ellersuille, Pa. | FED L LSIL N | IPLD L UŞT L | ATT | U: Robert | Finky | pr | reserved | |
| CLP Sample Numbers (from labels) A B Conc. Sample Low Type: Med Comp./ Box 7 High Grab | Preser- Motals L | onc. Trackin | F al Specific g Number Numbers | G Station Location Number | | Initials | J Corresp. CLP Org. Samp. No. | K Designated Field QC |
| 1CJP20 2 LOW Gab | | 3-1160 | 983 HAM 34160986 1 | ν-1 | 12/5/91 1055 | 16.6 | J PZI | DO QC |
| 400 P21 2 LOW Orab | | 3-1160 | 792 YMM 8 | to + HW-1 | 12/5/91 /046 | | 1822 | |
| 40TP22 2 LOW GRAY | | 3-11609 | 3-1161000 E | HW-2 | 12/5/91 /133 | | JP23 | |
| | 2,3,6 ~ ~ | 3-11678 | | W-1 | 12/5/9/ 1300 | 1 - | JP24 | |
| | 2,3,6 1 | 3-1578 | 32 440 M | Sw-2 | 12/5/91 /2/15 | | TP25 | |
| 1CTP25 1 10W Grab | 2,36 | 3-1157 | 842 MM | | 12/6/91 1130 | | JP26 | |
| | 2,3,6 0 | 3-1157 | kua muni | 5w-4 | 12/5/91 /045 | 1 | (JP27 | |
| MCJP27 1 LOW GRAD | 1 1 1 1 1 | 3-1134 | 112 42 | 5w-5 | 12/5/91 1255 | , | JP28 | |
| 1CJP28 1 con Gab | 1 ' 1' 1 1 1 1 | 3-1134 | 3-1134121 S | W-6 | 12/9/1 1220 | | CJ P29 | |
| 1CJP29 1 UN Crab | 1 ' ' 1 1 1 1 | 3-11341 | 27 yam | W7 | 12/6/1 12/5 | CM | TP3() | |
| hipment for Case Page 1 of | | or a spike and/or duplic 州(プロス) | ate A | dditional Sampler | Signatures during the | Chain | of Custody | Seal Number |
| | | , | CHAIN OF CU | STODY RECORD | | | | |
| Paul y. Dane | Date / Time | Received by: (Signat | ure) | Relinquished by | : (Signature) | Date / Ti | me Red | ceived by: (Signature) |
| delinquished by: (Signature) | Date / Time | Received by: (Signat | ure) | Relinquished by | r: (Signature) | Date / Ti | me Red | ceived by: (Signature) |
| Received by: (Signature) | Date / Time | Received for Laborato (Signature) | ory by: | Date / Time | Remarks Is co | ustody sea | al intact? Y | /N/none |
| PA Form 9110-1 (Rev. 5-91) Replaces ISTRIBUTION: | | · | | Split Samples [| Accepted (Sign | ature) | Pul (i |) and the |
| reen - Region Copy Pink - SMO Cop | y write - Lab Copy | Tellow - Lab Copy for | neturn to SMO | | | · au | (|) 19602 |

ganic Sample Collection Requirements

"This form replaces both the individual Traffic Report and EPA Chain of Custody Record. If the sampling team elects to use an alternative chain-of-custody form, cross out the bottom portion of this record and indicate that chain-of-custody information is recorded on an alternative form."

| Water Samples | Required Volume | • | Container Type |
|--|--------------------|-----|--|
| Metals Analysis (Low Level) | 1 Liter | | 1 X 1-Liter Polyethylene Bottle OR 2 X 500-ml. Polyethylene Bottle |
| Metals Analysis (Medlum Level*) | 16 oz. | | 1 X 16-oz Wide-Mouth Glass Jar |
| Extractable Analysis (Medium Level*) | 1 Liter | | 1 X 1-Liter Polyethylene Bottle OR 2 X 500-ml. Polyethylene Bottle |
| Volatile Analysis (Low or Medium Level*) | 16 oz. | . 🗍 | 1 X 16-oz. Wide-Mouth Glass Jar |

| Soil/Sediment | Required Volume | | Container Type |
|--|--------------------|----|------------------------------------|
| Metals and Cyanide (CN ⁻) | 6 OZ. | | 1 X 8-oz.Wide-Mouth Glass Jar |
| Analysis | | U | OR |
| (Low or Medium Level*) | | 00 | 2 X 4-oz. Wide-Mouth Glass Jars |

HIGH CONCENTRATION SAMPLE COLLECTION REQUIREMENTS

| Liquid or Solid Samples | Required Volume | Container Type |
|---------------------------------|--------------------|----------------------------------|
| Metals and Cyanlde* Analysis | 6 oz. | 1 X 8-oz.Wide-Mouth Glass Jar |



*All Medium and High Level Samples to be Sealed In Metal Can for Shipment

1. Inorganic Sample Collection Requirements

- Aqueous samples require one triple-volume sample per twenty for Matrix Spike/Matrix Spike Duplicate.
- Preserve low level water samples:

Total metals

Preserve with HNO_a to $pH \le 2$.

Dissolved metals

Preserve with HNO_3^3 to $pH \le 2$. No further digestion required.

Cyanide

Preserve with 10 NaOH to pH ≥12.

- Oily samples must be analyzed under the Special Analytical Services (SAS) program.
- Ship medium and high concentration samples in paint cans.

2. Cooler and Sample Documentation

- Complete all sections of the Traffic Report/Chain of Custody Form Press firmly with a ball point pen to ensure that carbon copies are legible. Check the information and correct any errors.
- Please remember to complete the Chain of Custody information on the form.
- Seal the two sets of laboratory Traffic Report/Chain of Custody form copies in a plastic bag. Include a return address for the cooler. Tape bag under cooler lid.
- Overlap the lid and bottle and bottle of each sample container with custody seals.
- Seal each container in a plastic bag.
- Pack medium and high concentration samples in metal cans.
- · Separate and surround cooler contents with vermiculite or equivalent packaging.
- Seal the cooler, overlapping the lid and body with custody seals.
- · Send SMO the pink copy of the Traffic Report within 5 days.
- In column E RAS analysis indicate number of sample bottles sent for analysis.

3. Sample Shipment Reporting

PHONE IN ALL SHIPMENTS IMMEDIATELY TO SMO (or to RSCC, if instructed)

Required information:

Case (and/or SAS) Number

Date shipped

Number of samples by concentration and matrix

Carrier and airbill number

Next planned shipment

Leave your name and a number where you can be reached.

- Information for SATURDAY DELIVERIES must be phoned in by 3:00 PM. (Eastern) the preceding FRIDAY.
- Report any delays or changes of scope (i.e., changes in number of samples to be collected, matrix changes, etc.)
- CÂLL IF YOU HĂVE ANY QUESTIONS

USEPA Contract Laboratory Program

Sample Management Office

P.O. Box 818

Alexandria, VA 22313

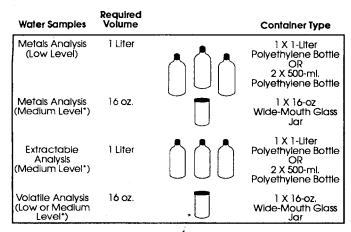
Phone: (703) 557-2490

(703) 684-5678

| E | P | Cor | United ntract Lab | States En oratory P O Box 81 703-557 | vironme rogram 8 Alexa 2490 | ental l Sam andria FTS | Protection | n Actager | of | fice | & Cha | ganic Traffic in of Custody For Inorganic CLP Ana | / Řečord | SAS (if app | No. dicable) | Case | No. |
|--|----------------------------------|--------------------------|--|---|--------------------------------------|---|---|-----------|-------|-------------------|---|---|--|----------------------------|--|--|---|
| Project Cod Regional Inform | | Accoun | t Code | 2. Reg | 5 er <i>(Nai</i> | me) | HA | | | OP. | | pped Carrier Felera | 1 Express | 3 | Preser- vative (Enter in Column D) | D € (<i>E</i> | mple escription nter Column A) |
| Non-Superfund Program Site Name Inactive Landfill City, State Site Spill ID Site Spill ID | | | | Sample A. Type 4. Type SF PRP ST FED | of Act | ature 4. 9 ivity re- nedial | Remodial Removal 5103 old WM. | | | | | | Service 1. Pem Hu . 15632 Finlay | 2 3 5 5 6 7 | . HCI . HNO3 . NaOH . H2SO4 . K2CR2O . Ice only . Other (SAS) (Specify) I. Not preserved | 7 3. 1 4. F 5. 9 6. 0 7. N 8. 0 | Surface Water Ground Water Leachate Rinsate Soil/Sediment Dil (SAS) Waste (SAS) Other (SAS) (Specify) |
| CLP Sample Numbers (from labels) | A Enter # from Box 7 | B Conc. Low Med | C Sample Type: Comp./ Grab | Preser- vative from Box 6 | Metals | | Nitrate/ Nitrite Conc. Fluoride | Hi | gh | Trackin or Tag | F al Specific g Number Numbers | G Station Location Number | Mo/Day/ Year/Time Sample Collection | Sample Initials | Corresp CLP Org Samp. N | g. | K Designated Field QC |
| MLJP 70 | 3 | Low | brab | 2,3,6 | / | 1 | | | | 3-1134 | 149 th/U 1-1134150 | AQ Blak | 12/5/11 133 | u | CJP 6 | 6 Aq. | Levus Blank |
| MUSP 30 | 5 | Low | Grab | 6 | \ | | | | | 3-113 | 4133 | 52-1 | 12/5/4/ 1300 | CM | CTP 38 | 3 | |
| MLJP 51 | 5 | LOW | Grub | 6 | | 1 | | | | 3-113 | 4138 | 52-2 | 12/5/9/ 1225 | 6D | CJP 5 | 2 | |
| MUSP 52 | 5 | LOW | Grub | 6 | ✓ | 1 | | | | 3-1134143 | | 54-3 | 12/5/9/ 1135 | 60 | CSP 5 | 3 | |
| мстр 53 | 5 | Low | Grab | 6 | / | 1 | | | | 3-113 | 4148 | 52-4 | 12/5/41 1045 | CM | CJP 5 | 4 | |
| mLSP 38 | 5 | Low | Grub | 4 | / | 1 | | | | 3-114 | 10715 | 52-5 | 12/5/41 1315 | RC | CJP 5 | 5 | |
| MCJP 61 | 5 | Low | Grab | 6 | / | 1 | | | | 3-11 | 10780 | 52-6 | 12/5/91 1224 | | CIP 5 | 6 | |
| MUSP 62 | 5 | Low | Grub | 4 | / | 1 | | | | 3-114 | 10785 | Sd-7 | 12/5/4/ 1230 | CM | CJP 5 | 7 | |
| mc5p 63 | 5 | LOW | Grab | 6 | | 1 | | | | 3-114 | 10790 | 5-1 | 12/5/41 1300 | 6-10 | C5P 5 | В | |
| MCSP 64 | 5 | Low | Grab | 6 | / | 1 | | | | 3-11 | 10795 | 5- 2 | 12/5/91 1015 | | CSP 50 | 7 | |
| Shipment for C complete? (Y/ | | Page | R of <u>3</u> | _ Sa | imple i | used | for a s | pike | and/d | or duplic | | Additional Sampler S Grand Wales Heapy Deland | in atures litel | Chi | ain of Custo | ody Seal Nun | nber |
| Dolingwichadh | (C | | ., | Dat | e / Tim | 20 | Des | | J Is | | | CUSTODY RECORD | | | / Ti | Danail and law | (Cinnet wa) |
| Relinquished b | | ari | | 12/5/4 | 1 | | | eive | u by: | (Signat | ure) | Relinquished by | . (Signature) | Date | / Time | Received by: | (Signature) |
| Relinquished t | | | | | e / Tim | | | eive | d by: | (Signat | ure) | Relinquished by | : (Signature) | Date | / Time | Received by: | (Signature) |
| Received by: | (Signa | nture) | | Dat | e / Tim | ne | | eive | | Laborato | ory by: | Date / Time | Remarks Is | custody | seal intact | ? Y/N/none | |
| EPA Form 9110- DISTRIBUTION: Green - Region | : | | | | | • | | | | • | | Split Samples [| Accepted (Si | gnature) Pau | l-y!, | Dano 0196 | 03 |

Inorganic Sample Collection Requirements

"This form replaces both the individual Traffic Report and EPA Chain of Custody Record. If the sampling team elects to use an alternative chain-of-custody form, cross out the bottom portion of this record and indicate that chain-of-custody information is recorded on an alternative form."



| Soil/Sediment Samples | Required Volume | | Container Type |
|--|--------------------|---|------------------------------------|
| Metals and Cyanide (CN ⁻) | 6 oz. | | 1 X 8-oz.Wide-Mouth Glass Jar |
| Analysis (Low or Medium | | U | OR |
| Level*) | | | 2 X 4-oz. Wide-Mouth Glass Jars |

HIGH CONCENTRATION SAMPLE COLLECTION REQUIREMENTS

| Liquid or Solid Samples | Required Volume | Container Type |
|---------------------------------|--------------------|----------------------------------|
| Métals and Cyanide* Analysis | 6 oz. | 1 X 8-oz.Wide-Mouth Glass Jar |



*All Medium and High Level Samples to be Sealed in Metal Can for Shipment

1. Inorganic Sample Collection Requirements

- Aqueous samples require one triple-volume sample per twenty for Matrix Spike/Matrix Spike Duplicate.
- Preserve low level water samples:

Total metals

Preserve with HNO₃ to pH \leq 2.

Dissolved metals

Preserve with HNO, to $pH \le 2$. No further digestion required.

Cyanide

Preserve with 10 NaOH to pH ≥12.

- Oily samples must be analyzed under the Special Analytical Services (SAS) program.
- Ship medium and high concentration samples in paint cans.

2. Cooler and Sample Documentation

- Complete all sections of the Traffic Report/Chain of Custody Form Press firmly with a ball point pen to ensure that carbon copies are legible. Check the information and correct any errors.
- Please remember to complete the Chain of Custody information on the form.
- Seal the two sets of laboratory Traffic Report/Chain of Custody form copies in a plastic bag. Include a return address for the cooler. Tape bag under cooler lid.
- Overlap the lid and bottle and bottle of each sample container with custody seals.
- · Seal each container in a plastic bag.
- Pack medium and high concentration samples in metal cans.
- Separate and surround cooler contents with vermiculite or equivalent packaging.
- Seal the cooler, overlapping the lid and body with custody seals.
- Send SMO the pink copy of the Traffic Report within 5 days.
- In column E RAS analysis indicate number of sample bottles sent for analysis.

3. Sample Shipment Reporting

• PHONE IN ALL SHIPMENTS IMMEDIATELY TO SMO (or to RSCC, if instructed)

Required information:

Case (and/or SAS) Number

Date shipped

Number of samples by concentration and matrix

Carrier and airbill number

Next planned shipment

Leave your name and a number where you can be reached.

- Information for SATURDAY DELIVERIES must be phoned in by 3:00 PM. (Eastern) the preceding FRIDAY.
- Report any delays or changes of scope (i.e., changes in number of samples to be collected, matrix changes, etc.)
- CALL IF YOU HAVE ANY QUESTIONS

USEPA Contract Laboratory Program

Sample Management Office

P.O. Box 818

Alexandria, VA 22313 Phone: (703) 557-2490

(703) 684-5678

| EP | United States Environmental Protection A Contract Laboratory Program Sample Manage PO Box 818 Alexandria, VA 22313 703-557-2490 FTS 557-2490 | | | | | | | ffice | Inorganic Traffic R Port & Chain of Custody Record (For Inorganic CLP Analysis) | | | | | | No. licable) | | Case No. 17514 | | |
|---|--|----------------|------------------------------------|----------------|---------|---------------------|-----------------|-------------------|---|-------------------------------------|-----------|---|-------------------------------|----------------------|---------------------|------------------------------|----------------|--------------|---|
| . Project Code | Account C | Code | 2. Reg | | Ο. | | | g Co. | | 4. Date Shi | pped | Carrier | | | | Preser vative | - | | mple escription |
| | | | 3 HNUS Corp. | | | | | | | 12/5/9 | | Federa | n/Ex | press | (| Enter i | | (Enter | |
| Regional Information | ו | | Tanahar (Manney | | | | | | | Airbill Num | | -00 | | | | olumn . HCl | 0) | | Column A) |
| | | | PAU | | | | 115 | | | 3746 | 2091 | 323 | | | 2. | HNO3 | | | Surface Water Ground Water |
| Non-Superfund Prog | gram | | Sampler Signature | | | | | | | 5. Ship To | A | nalytica | / Se | rvices | 5 4. | . NaOH . H2SO. . K2CR2 | 4207 | 3. I 4. l | _eachate Rinsate Soil/Sediment |
| Site Name Inactive La | alfill | İ | 4. Type Lea SF | ıd | 0 | / RIF ** RD | Remedi | □ CI | Removal EM EMA | F13 | 7 | Id wa | Pene | 2 Hwy | 6. 7. | . Ice on Other (SAS) | y | 6. (7. \ | Oil (SAS) Naste (SAS) Other (SAS) |
| City, State Sellersuille, F | Site Sp | ill ID F | PRP ST ED | PA SS LS | ı |]_RA | мЕ | RI | EM | EXP | ort N: | Robert 7 | i. 15 Finlau | 632 | N | (Spec I. Not preser | | 0. (| (Specify) |
| CLP A | l Bi | С | D | | | | nalys | | | F | | G | | 1 | 1 | J | | | K |
| Sample Numbers (from labels) | Med C | Type: omp./ | Preser- vative from Box 6 | | ⊣ | Nitrate/ Nitrite | 2. | Conduc- tivity | Trackin | al Specific ig Number Numbers | | Station Location Number | Mo/l Year/ San Colle | Day/ Time nple | Sampler Initials | CLP Samp | Org. | | Designated Field QC |
| MUSP 65 5 | Low G | rab 1 | 6 | V | | | | | 3-114 | 10800 | 5-3 | 3 | 12/5/4 | (1330) | CH | CJP | 60 | | |
| MCJP 66 5 | Low 0 | rab l | 6 | / | 7 | | | | | 56330 | 5-4 | 1 | 12/5/4/ 1225 | | 6.D. | CJP | 61 | | |
| MCJP 67 5 | | rub 6 | 6 | / | / | | | 1 | 3-115 | 6337 | 55- | . / | 12/5/4/ | | | + | 62 | Do | QC |
| nc5P68 5 | | rub (| 10 | / | 1 | | | 1 | | 56342 | 55- | 2 | 12/5/1/ | 0930 | G.D | - | 63 | | |
| mc5P69 5 | 1 | rub l | 2 | / | 1 | | | | | 56347 | 55 | | | 0940 | cm | CSP | 64 | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | 1 | | | | \perp | لـــا | | <u> </u> | L | | | | | | | | | | |
| Shipment for Case complete? (Y/N) | Page 3 | of <u>3</u> | , | mple MC3 | | | a spik | e and/ | or duplic | ate | Addit | ional Sampler S le Garlitte Id whelen v | Signatures | Hay | Cha | ain of Cu | ustody | Seal Nun | nber |
| · · · · · · · · · · · · · · · · · · · | | | - | , | | | | | | | | ODY RECORD | | | | | | | |
| Relinquished by: (S | ignature) | , | | e / Tir | | | leceiv | ed by: | (Signat | ure) | F | Relinquished by | : (Signatu | ire) | Date / | Time | Rec | eived by: | (Signature) |
| Relinquished by: (Signature) Date / Time Received by: (Signature) | | | | | | (Si g nat | ure) | F | Relinquished by | : (Signatu | ire) | Date / | Time | Red | eived by: | (Signature) | | | |
| Received by: (Signa | ature) | | Date | e / Tir | me | | Receiv Signa | | Laborato | ory by: | | Date / Time | Ren | narks is o | custody s | seal inta | ict? Y | /N/none | |
| EPA Form 9110-1 (Rev DISTRIBUTION: Green - Region Copy | | | | | | | | | | | | plit Samples | Accept | 1 | nature) | 41 | Na | vis)196 | |

Inorganic Sample Collection Requirements

"This form replaces both the individual Traffic Report and EPA Chain of Custody Record. If the sampling team elects to use an alternative chain-of-custody form, cross out the bottom portion of this record and indicate that chain-of-custody information is recorded on an alternative form."

| Water Samples | Required Volume | | Container Type |
|--|--------------------|--|--|
| Metals Analysis (Low Level) | 1 Liter | | 1 X 1-Liter Polyethylene Bottle OR 2 X 500-ml. Polyethylene Bottle |
| Metals Analysis (Medium Level*) | 16 oz. | | 1 X 16-oz Wide-Mouth Glass Jar |
| Extractable Analysis (Medium Level*) | ì Liter | | 1 X 1-Liter Polyethylene Bottle OR 2 X 500-ml, Polyethylene Bottle |
| Volatile Analysis (Low or Medium Level*) | 16 oz. | <u>, </u> | 1 X 16-oz. Wide-Mouth Glass Jar |

| Soil/Sediment Samples | Required Volume | | Container Type |
|--|--------------------|---|------------------------------------|
| Metals and Cyanide (CN ⁻) | 6 oz. | | 1 X 8-oz.Wide-Mouth Glass Jar |
| Analysis | | U | OR |
| (Low or Medium Level*) | ** * | | 2 X 4-oz. Wide-Mouth Glass Jars |

HIGH CONCENTRATION SAMPLE COLLECTION REQUIREMENTS

| Liquid or Solid Samples | Required Volume | Container Type |
|---------------------------------|--------------------|----------------------------------|
| Metals and Cyanide* Analysis | 6 oz. | 1 X 8-oz.Wide-Mouth Glass Jar |



*All Medium and High Level Samples to be Sealed in Metal Can for Shipment

1. Inorganic Sample Collection Requirements

• Aqueous samples require one triple-volume sample per twenty for Matrix Spike/Matrix Spike Duplicate.

• Preserve low level water samples:

Total metals

Preserve with HNO_3 to $pH \le 2$.

Dissolved metals

Preserve with HNO to pH ≤ 2 . No further digestion required.

Cyanide

Preserve with 10 NaOH to pH ≥12.

- Oily samples must be analyzed under the Special Analytical Services (SAS) program.
- Ship medium and high concentration samples in paint cans.

2. Cooler and Sample Documentation

- Complete all sections of the Traffic Report/Chain of Custody Form Press firmly with a ball point pen to ensure that carbon copies are legible. Check the information and correct any errors.
- Please remember to complete the Chain of Custody information on the form.
- Seal the two sets of laboratory Traffic Report/Chain of Custody form copies in a plastic bag. Include a return address for the cooler. Tape bag under cooler lid.
- Overlap the lid and bottle and bottle of each sample container with custody seals.
- Seal each container in a plastic bag.
- Pack medium and high concentration samples in metal cans.
- Separate and surround cooler contents with vermiculite or equivalent packaging.
- Seal the cooler, overlapping the lid and body with custody seals.
- Send SMO the pink copy of the Traffic Report within 5 days.
- In column E RAS analysis indicate number of sample bottles sent for analysis.

3. Sample Shipment Reporting

• PHONE IN ALL SHIPMENTS IMMEDIATELY TO SMO (or to RSCC, if instructed)

Required information:

Case (and/or SAS) Number

Date shipped

Number of samples by concentration and matrix

Carrier and airbill number

Next planned shipment

Leave your name and a number where you can be reached.

- Information for SATURDAY DELIVERIES must be phoned in by 3:00 PM. (Eastern) the preceding FRIDAY.
- Report any delays or changes of scope (i.e., changes in number of samples to be collected, matrix changes, etc.)
- CALL IF YOU HAVE ANY QUESTIONS

USEPA Contract Laboratory Program

Sample Management Office

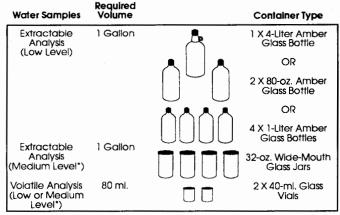
P.O. Box 818

Alexandria, VA 22313

Phone: (703) 557-2490

(703) 684-5678

"This form replaces both the individual Traffic Report and EPA Chain of Custody Record. If the sampling team elects to use an alternative chain-of-custody form, cross out the bottom portion of this record and indicate that chain-of-custody information is recorded on an alternative form."



| Soll/Sediment Samples | Required Volume | Container Type |
|--|--------------------|---|
| Extractable Analysis (Low or Medium | 6 oz. | 1 X 8-oz.Wide-Mouth Glass Jar |
| Level*) | | OR |
| | 240 ml. | 2 X 4-oz. Wide-Mouth Glass Jars |
| Volatile Analysis (Low or Medium Level*) | | 2 X 120 ml. Wide-Mouth Glass Vials† |

†Soil VOA Vials under study, subject to change, check to ensure proper sealing.

HIGH CONCENTRATION SAMPLE COLLECTION REQUIREMENTS

| Liquid or Solid Samples | Required Volume | Container Type |
|--------------------------------------|--------------------|----------------------------------|
| Extractable and Volatile Analysis | 6 oz. | 1 X 8-oz.Wide-Mouth Glass Jar |



*All Medium and High Level Samples to be Sealed in Metal Can for Shipment

1. Organic Sample Collection Requirements

- Please indicate sample to spike and/or duplicate.
- Ship medium and high concentration samples in paint cans.
- Aqueous samples require one triple-volume sample per twenty for Matrix Spike/Matrix Spike Duplicate.
- Oily samples must be analyzed under the Special Analytical Services (SAS) program.
- Confirmatory analysis and Special Analytical Services (SAS) parameters may require extra volume; for SAS
 consult specified SAS methods for requirements.
- · Additional sample volume not required for method OLC01.

2. Cooler and Sample Documentation

- Complete all sections of the Traffic Report/Chain of Custody Form Press firmly with a ball point pen to ensure that carbon copies are legible. Check the information and correct any errors.
- Please remember to complete the Chain of Custody information on the form.
- Seal the two sets of laboratory Traffic Report/Chain of Custody form copies in a plastic bag. Include a return address for the cooler. Tape bag under cooler lid.
- Overlap the lid and bottle and bottle of each sample container with custody seals.
- · Seal each container in a plastic bag.
- Pack medium and high concentration samples in metal cans.
- Cool low waters to 4°C. Cooling of low soils is optional. Do not cool medium or high concentration waters and soils.
- Separate and surround cooler contents with vermiculite or equivalent packaging.
- Seal the cooler, overlapping the lid and body with custody seals.
- FAX SMO a copy of the Traffic Report/Chain of Custody Form as soon as possible. Send SMO the pink copy of the Traffic Report within 5 days.
- In column E RAS analysis indicate number of sample bottles sent for analysis.

3. Sample Shipment Reporting

• PHONE IN ALL SHIPMENTS IMMEDIATELY TO SMO (or to RSCC, if instructed)

Required information:

Case (and/or SAS) Number

Date shipped

Number of samples by concentration and matrix

Carrier and airbill number

Next planned shipment

Leave your name and a number where you can be reached.

- Information for SATURDAY DELIVERIES must be phoned in by 3:00 PM (Eastern) the preceding FRIDAY.
- Report any delays or changes of scope (i.e., changes in number of samples to be collected, matrix changes, etc.)
- CALL IF YOU HAVE ANY QUESTIONS

USEPA Contract Laboratory Program

Sample Management Office

P.O. Box 818

Alexandria, VA 22313

Phone: (703) 557-2490

(703) 684-5678

FAX: (703) 683-0378

Mary Color

| | | ^ | United | States Er | nvironme | ental Pro | tection A | | | Orgai | nic | Traffic Re | rert | | SAS No. | n(a) | Case No. |
|--|----------------------------------|-----------------------|-----------------|---|----------------------------|-------------------------------|-----------------------------|---------------------|-----------------------|---|-------------------|------------------------------------|------------------------------------|-------------|--------------------------|--|---|
| VE | :P/ | \mathcal{A}_{\circ} | ontract La | States Er boratory P PO Box 81 703-557 | rogram 8 Alexa -2490 | Sample Indria, V FTS 55 | Manage A 22313 7-2490 |)0 | office | & Chain | of (| Custody nic CLP Analys | \ | | (ii applicat | ne, | 175/4 |
| Project Co Regional Info | | Accour | nt Code | 2 | | n No. | Samplir <i>HNC</i> | - | CORP. | 4. Date Shippe | ed Ca | | _ | es s | (E | Preser- ative Enter in olumn D) | 7. Sample Description (Enter in Column A) |
| Non-Superfu | | | | 3. S | Type of Lead | Signat A | ty Rer RIFS | nedial | Removal LEM EMA | 37420 5. Ship To Compo 3308 | 413 HHN Cha | Natalie en 1 pel HII 1652 | carter Labs Nels | en Hwa | 2 1 | HCI HNO3 NaHSO4 H2SO4 Other (SAS) <i>(Specify)</i> | 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil/Sediment 6. Oil (SAS) 7. Waste (SAS) 8. Other (SAS) |
| City, State Sellersur | | _ ; | Site Spil | וייט Is | Τ | PA SSI | BA O&M NPLD | \Box 0 | EM | Research | . 4 | Park, 1 | J.C. 27 | 1709 | 11. | lce only Not preserved | (Specify) |
| CLP Sample Numbers (from labels) | A Enter # from Box 7 | В | Type: Comp./ | D Preservative from Box 6 | | RAS A | Pest/ PCB | High ARO/ TOX | or Tag | F nal Specific ng Number 3 Numbers | | G Station Location Number | H Mo/I Year/ Sam Colle | Time ple | l Sampler Initials | Corresp. CLP Inorg. Samp. No. | K Designated Field QC |
| (JP59 | 5 | Low | Crab | 6 | 1/ | ~ | 7 | | 3-11407 | 91 +nra 3-1140794 | 50 | ξ. | 12/5/41 | 1015 | RC | MCJ P64 | |
| CJ P60 | 5 | | crah | 6 | V | V | V | | 3-11407 | 960 than 3-1140799 | 5.3 | 7 | 12/5/91 | 1330 | CM | истр65 | |
| (JP61 | 5 | un | orab | 6 | ~ | | V | | 3-11563 | 3-1166339 | 5-4 | | 12/5/91 | 1225 | GD. | MJP66 | |
| CJP62 | 5 | lan | Crah | 6 | V | / | ~ | | 3-1136.53 | | 55- | | 12/5/41 | 0435 | RC | MCJP67 | PO HS/MSD |
| CJP63 | 5 | Low | Crab | 6 | ~ | / | 1 | | 3.11563 | 3-1196-3-96 3-1156-341 43 4hn | 55- | 2 | 12/6/91 | 0930 | 6-10 | MCJP68 | |
| CJP64 | 5 | ion | Crab | 6 | V | / | ~ | | 3-11963 | 3-1156341 43 4hn 3-1156346 | 95 | 3 | 12/5/AI | 0940 | cM | MCJ P69 | |
| | | | | | | | | | | | | | | | | | |
| Shipment for complete? () | | Page | 3 of 3 | Sa | imple i | | r a spik | e and/ | l /or duplica | Unt | ddition | al Sampler Sig | natures Little | My | Chain | of Custody S | eal Number |
| (| | | | | | | | | | CHAIN OF CU | STO | Y RECORD | | | | | |
| Relinquished | , _ | gnature avo | , | Dai 12/5/4 | te / Tim | ie Sz | Receiv | ed by: | : (Signatu | ire) | Reli | nquished by: | (Signature) | | Date / Tir | ne Recei | ved by: <i>(Signature)</i> |
| Relinquished | | | | | | le . | Receiv | ed by: | : (Signatu | ire) | Reli | nquished by: | (Signature) | | Date / Tir | ne Recei | ved by: (Signature) |
| Received by | : (Signa | ture) | | Dat | e / Tim | e | Receiv (Signa | | Laborato | ry by: | | Date / Time | Remark | s Is cus | stody sea | l intact? Y/N | none (salta) |
| EPA Form 9110 DISTRIBUTION Blue - Region | N: | | | | | | | | • | | Split | Samples | Accepted Declined | (Signal | (| -y. [n] 0 01 | |
| | | | | | | | | | | | | | | | | | TAPOT |

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| | D / | \ | United | States En | /ironme | ental Pro | tection A | 9/ | ffice | | | | raffic Re | | | | SAS No | | | Case No. |
|---|----------------------------------|--------|--|---------------------------------------|-----------------|--------------------------------------|-------------------|---------------------|----------------------|----------------|------------------------------------|--------------------|---|------|--|-------------------|---------------------------|--|---------------------------------|---|
| VE | PF | ┪~ | ntract Lat | poratory Pr PO Box 811 703-557- | 3 Alexa 2490 | andria, V FTS 557 | A 22313 7-2490 | | ince | & | Chain | Of C | ustody c CLP Analys | is) | bord | | | | | 17514 |
| Project Coo Regional Infor | | Accoun | t Code | | 3 | - 1 | | _ | Cosp. | 15 | ate Shippe 2/5/91 ill Number | d Carri | | | Expre | 55 | (| Preser vative Enter olumn | in | 7. Sample Description (Enter in Column A) |
| Non-Superfur Site Name Inachue City, State Sellersvil | Lana | dfal | Site Spil | Sa 3. SF PF ST | Type of each | Signate of Activi Pre- Remedia PA | ity Rer | nedial RE | Removal EM EMA | 5. S 2 P | eseure | chap 121 h 7 | n las zel Hill, 652 Triungli curter | L | Jelson Park, 1 | ,U,C | 2. 3. 4. 5. | HCI HNO3 NaHSO H2SO2 Other (SAS) (Speci Ice on Not preser | ify) ly | 1. Surface Water 2. Ground Water 3. Leachate 4. Rinsate 5. Soil/Sediment 6. Oil (SAS) 7. Waste (SAS) 8. Other (SAS) (Specify) |
| CLP Sample Numbers (from labels) | A Enter # from Box 7 | В | C Sample Type: Comp./ Grab | vative | VOA | RAS A | nalysis | High ARO/ TOX | Track | ing N | Specific Number umbers | L | G Station Location Number | | H Mo/Day Year/Tin Sample Collectio | ne e | I Sample Initials | CLP | J resp. Inorg. np. No. | K Designated Field QC |
| CJP 65 | 3 | low | Cran | 1.6 | V | X TONE | MI | | 3-1156 | त्र्यष्ट | 1156350 | TnoB | IK. | 12 | 2/6/91 | 1350 | LC | - | | trueous blank for |
| CJP66 | 3 | LOW | only | 1.6 | / | V | ~ | | 3-11409 | 613 | -1140965 | 100 | | | 15/9 | 1330 | 1 | MUS | F70 | Mueusblank |
| CJP38 | 6 | Low | bas | 6 | / | V | ~ | | 3-1134 | 139 | 4nne 1134132 | 54-1 | | 4. | 2/6/91 | 1305 | CM | MCJ | P 30 | |
| (JP52 | 5 | loru | ass | 6 | / | <u></u> | V | | 3-/1341 | 3 | -1134137 | 5d-2 | 2 | 1 | 2/5/9/ | 1225 | GD | MIJ | P51 | |
| (JP63 | 5 | Low | Crab | 6 | 1 | V | | | 3-113413 | 3 | -1134142 | Sd- | 3 | ١. | 2/5/91 | 1135 | 1 | MIJ | P52 | |
| (JP 54 | 5 | Low | Crab | 6 | ~ | / | ~ | | 3-113-41 | 3- | 1134147 | 5d-4 | ! | 1 | 2/5/91 | 1045 | CM | MCJ | P53 | |
| CJ455 | 5 | Low | crab | 6 | ~ | 1 | - | | 3-114 | 3 | -1140969 | 58-6 | Ś | | Iski | 1315 | RC | MIJ | P38 | |
| C3856 | 5 | Low | Grab | 6 | / | - | 1 | | 3-1140 | | 3-114/)779 | 5d- | 6 | 12 | eldai | 1226 | pu | MCJ | P61 | |
| (5957 | 5 | in | Grab | 6 | / | / | | | 3-1140 | 781 | 4hnu 3-1140784 | 5d- | 7 | 12 | 215/91 | 1230 | CM | MCJ | P62 | |
| CJP58 | 5 | Low | 6raV) | T | / | 1 | - | | 3-1140 | 786 3 | 1140789 | 5-1 | | 12 | 15/91 | 1300 | 60 | μcJ | P63 | |
| Shipment for complete? (Y | | Page | A ^{of} | 3 Sa | mple ι | used fo | r a spik | e and/ | or duplic | | 200 | ditional | Sampler Signatur | gnat | July G | i yhdin arkite | Chain | of Cust | tody Se | al Number |
| | (0) | | , - | - D-4 | - / T | | | | | | IN OF CU | | RECORD | ·O: | | | 5 · · · · · · · · · · · · | | 15 | (0) |
| Relinquished Paul 4 | | | ´ | W/5/9 | e / Tim / | | Heceiv | ea by: | (Signat | ure) | | Helino | quished by: | (Sig | inature) | | Date / Ti | me | Receiv | ed by: <i>(Signature)</i> |
| Relinquished by: (Signature) Date / Time Received by: (Signature) Relinquished by: (Signature) Date / Time Received by: (Signature) | | | | | | | | | | | | | | | | | | | | |
| Received by: | (Signa | ture) | | Date | e / Tim | ne | Receiv (Signa | | Laborato | ory b | y: | D | ate / Time | | Remarks | | tody sea | | | |
| EPA Form 9110-2 (Rev. 5-91) Replaces EPA Form (2075-7), previous edition which may be used DISTRIBUTION: Blue - Region Copy Pink - SMO Copy White - Lab Copy Yellow - Lab Copy for Return to SMO | | | | | | | _ ' | Signat | Pau | el- | y.(| Navix Maria | | | | | | | | |

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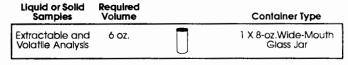
"This form replaces both the individual Traffic Report and EPA Chain of Custody Record. If the sampling team elects to use an alternative chain-of-custody form, cross out the bottom portion of this record and indicate that chain-of-custody information is recorded on an alternative form."

| Water Samples | Required Volume | Container Type |
|--|--------------------|------------------------------------|
| Extractable Analysis (Low Level) | 1 Gallon | 1 X 4-Liter Amber Glass Bottle |
| (LOW Level) | | OR OR |
| | | 2 X 80-oz. Amber Glass Bottle |
| | | ↑ ↑ ↑ ↑ OR |
| Extractable | 1 Gallon | 4 X 1-Liter Amber Glass Bottles |
| Analysis (Medium Level*) | i Gallon | 32-oz, Wide-Mouth Glass Jars |
| Volatile Analysis (Low or Medium Level*) | 80 ml. | 2 X 40-ml. Glass Viais |

| Soll/Sediment Samples | Required Volume | | Container Type |
|--|---|--|---|
| Extractable Analysis | 6 OZ. | | 1 X 8-oz.Wide-Mouth Glass Jar |
| Level*) | | | OR |
| | 240 ml. | | 2 X 4-oz. Wide-Mouth Glass Jars |
| Volatile Analysis (Low or Medium Level*) | | | 2 X 120 ml. Wide-Mouth Glass Vials† |
| | Extractable Analysis Low or Medium Level*) Volatile Analysis Low or Medium | Extractable Analysis Low or Medium Level*) 240 ml. Volatile Analysis Low or Medium | Extractable 6 oz. Analysis Low or Medium Level*) 240 ml. |

†Soil VOA Vials under study, subject to change, check to ensure proper sealing

HIGH CONCENTRATION SAMPLE COLLECTION REQUIREMENTS



i 4. 34



*All Medium and High Level Samples to be Sealed In Metal Can for Shipment

1. Organic Sample Collection Requirements

- Please indicate sample to spike and/or duplicate.
- · Ship medium and high concentration samples in paint cans.
- · Aqueous samples require one triple-volume sample per twenty for Matrix Spike/Matrix Spike Duplicate.
- Oily samples must be analyzed under the Special Analytical Services (SAS) program.
- · Confirmatory analysis and Special Analytical Services (SAS) parameters may require extra volume; for SAS consult specified SAS methods for requirements.
- Additional sample volume not required for method OLC01.

2. Cooler and Sample Documentation

- Complete all sections of the Traffic Report/Chain of Custody Form Press firmly with a ball point pen to ensure that carbon copies are legible. Check the information and correct any errors.
- Please remember to complete the Chain of Custody information on the form.
- Seal the two sets of laboratory Traffic Report/Chain of Custody form copies in a plastic bag. Include a return address for the cooler. Tape bag under cooler lid.
- Overlap the lid and bottle and bottle of each sample container with custody seals.
- · Seal each container in a plastic bag.
- Pack medium and high concentration samples in metal cans.
- Cool low waters to 4° C. Cooling of low soils is optional. Do not cool medium or high concentration waters and soils.
- Separate and surround cooler contents with vermiculite or equivalent packaging.
- Seal the cooler, overlapping the lid and body with custody seals.
- FAX SMO a copy of the Traffic Report/Chain of Custody Form as soon as possible. Send SMO the pink copy of the Traffic Report within 5 days.
- In column E RAS analysis indicate number of sample bottles sent for analysis.

3. Sample Shipment Reporting

PHONE IN ALL SHIPMENTS IMMEDIATELY TO SMO (or to RSCC, if instructed)

Required information:

Case (and/or SAS) Number

Date shipped

Number of samples by concentration and matrix

Carrier and airbill number

Next planned shipment

Leave your name and a number where you can be reached.

- Information for SATURDAY DELIVERIES must be phoned in by 3:00 PM (Eastern) the preceding FRIDAY.
- Report any delays or changes of scope (i.e., changes in number of samples to be collected, matrix changes, etc.)
- CALL IF YOU HAVE ANY QUESTIONS

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FAX:

(703) 683-0378

3263-0508-06

| 9 | D/ | \ | United | States En | vironmei | ntal Pro | tection A |) t | fice | |)rga | nic Tra | ffic Re | p art | _ | SAS No (if applical | | | Case No. | |
|--|----------------------------------|----------|------------|-------------------------|-----------------|---------------|-------------------|---------------------|-------------|--------------------------------------|--------------|--------------------------|-----------------------------|---|--------------------------------------|-------------------------|---|--------------------------------|----------------------|----------------------------------|
| VE | P/ | ૺ | ntract Lab | O Box 81 703-557 | 8 Alexa 2490 | ndria, V | A 22313 7-2490 | , E | | & C | nain Fo | of Cus | Stody LP Analysi | k Jord | 1 | | | | 17 | 614 |
| Project Co | de | Accoun | t Code | 2. | Region 3 | - 1 | Samplin HNV | - | orp. | | Shippe | ed Carrier | | CXP | ress | \ | Preser- vative Enter i | | 7. San Des (En | cription |
| Regional Info | rmation | | | Sa | mpler | | | | | Airbill I | Number | | | | | | olumn | | ìn C | Column A) |
| | | | | | Pau | | | aur | S | | | 91312 | | | | _ | HCI | | | urface Water round Water |
| Non-Superfur | nd Progr | am | | Sa | Pau | Signati | 4,6 | Dan | | 5. Ship | TO | chem chapel ex 126 | Labo | S | Hus | 2. 3. 4. | HNO3 NaHSC H ₂ SO ₄ | | 3. Le 4. Ri | eachate nsate pil/Sediment |
| Site Name | | | C | l. | Type o | Dro | "DIES | nedial CL | Removal | 330 | ء کا | napei | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | ່ ວ. | Other (SAS) | | 6. Oi | I (SAS) |
| Inactive | e La | indf | 111 | S | RP | Remedia | RD BA | RE | MA M | P.O. | 130 | x 126 | 56 | 1 | 110 | 6. | (Special ce onl | fy) V | 8. O | aste (SAS) ther (SAS) |
| City, State Sellessur | | a S | Site Spill | יטי ן s | т 🗀 | SSI LSI | 08M NPLD | | L \square | Rese | arch Nati | Tria. | ter | 2770 | 9 | | Not preserv | | (| (Specify) |
| CLP Sample Numbers (from labels) | A Enter # from Box 7 | В | | Preservative from Box 6 | VOA | RAS Ar BNA | nalysis | High ARO/ TOX | Tracl | F onal Spe king Nur ag Numb | nber | Sta Loc | G ation ation mber | Mo/ Year Sar | H Day/ /Time nple ection | Sample Initials | CLP | J resp. Inorg. p. No. | De F | K esignated Field QC |
| CJP 21 | 2 | Low | Grub | 1,6 | | ~ | / | | 3-116 | 0973 1 | 410 | PW-1 | | 12/5/41 | 1055 | L.C. | MUJ | P 20 | Do m | SIMSD |
| (5022 | 2 | Low | Grab | 1,6 | ~ | ~ | / | | 3-1160 | 3-116 | 0991 | HW-1 | | 145/41 | 1045 | R.C | mcsf | اد ر | | |
| CJP23 | 2 | Low | Grab | 1,6 | / | | / | | 3-1160 | 3-116 | 0998 | HW-2 | | 12/5/41 | 1133 | R.C. | mas | 22 | | |
| CJP24 | 1 | LOW | Grab | 1,6 | / | | | | 3-115 | 7823 3-115 | 7827 | SW-1 | | 12/5/91 | 1300 | CH | MCJA | 23 | | |
| CJP25 | 1 | Low | 6165 | 1,6 | / | | | | 3-115 | 7830 3-115 | 7834 | SW-2 | | 12/5/41 | 415 | C.M. | MCJA | 2 a4 | | |
| CJP 26 | 1 | Low | Grab | 1,6 | / | / | / | | 3-115 | 7837 | thru 1841 | SW-3 | | 12/5/91 | 1130 | C.M. | mist | 2 a5 | | |
| CJP27 | 1 | LOW | Grab | 1,6 | | / | // | | 3-115 | 3-115 | 1848 | SW-4 | | 12/5/41 | 1045 | C.M. | MUJE | 26 | | |
| C26 28 | 1 | Low | brab | 1,6 | / | / | | | 3-1/3 | 4/08 | 4112 | SW-5 | | 12/5/41 | 1255 | RC | MCJP | 47 | | |
| CJP 29 | 1 | LOW | 6:ab | 1,6 | | | | | 3-//3 | 4115 | 119 | SW.6 | | 12/5/91 | 1220 | pw | MCJP | 28 | | |
| C3P 30 | 1 | Low | Grab | 1,6 | / | / | | | | 4122 | 4126 | SW-7 | | 12/5/91 | 12,15 | C.M. | mcJf | 29 | | |
| Shipment for complete? () | | Page | 1 of _3 | _ | mple u | | r a spik | e and/ | or duplic | cate | A | dditional Sa | ampler Sig | natures | tiget | Chain | of Cust | ody Se | al Number | |
| | | | | | | | | | | | OF CU | STORY R | | | | | | | | |
| Relinquished | 1 by: (Si | _ | | Dat 12/5/4 | e / Tim | | Receiv | ed by: | (Signa | ture) | | Relinquis | shed by: | (Signature) | | Date / Ti | me | Receiv | ed by: <i>(Si</i> | gnature) |
| Relinquished | by: (Si | | | | e / Tim | | Receiv | ed by: | (Signa | ture) | | Relinqui | shed by: | (Signature) | | Date / Ti | me | Receiv | ed by: (Si | ignature) |
| Received by: | : (Signa | ture) | | Dat | e / Tim | е | Receiv (Signa | | Laborat | ory by: | | | e / Time | Remar | | stody sea | al intact | ? Y/N/r | none | P. C. W. |
| EPA Form 9110 DISTRIBUTION Blue - Region 0 | l: | | | | · | | | | | | | Split Sar | ٠ . ـــــ | Accepted Declined | (Signa | ^{ture)} Pau | l u | 4.1 | <i>Navi</i> 9603 | Z. |
| | | | | | | | | | • | | | | | | | | C | 01 | 9603 | 3 |

"This form replaces both the individual Traffic Report and EPA Chain of Custody Record. If the sampling team elects to use an alternative chain-of-custody form, cross out the bottom portion of this record and indicate that chain-of-custody information is recorded on an alternative form."

| Water Samples | Required Volume | | Container Type |
|--|--------------------|---|------------------------------------|
| Extractable Analysis (Low Level) | 1 Gallon | | 1 X 4-Liter Amber Glass Bottle |
| (LOW Level) | | | OR |
| | | | 2 X 80-oz. Amber Glass Bottle |
| | | $\triangle \triangle \triangle \triangle$ | OR |
| Extractable | 1 Gallon | UUUU | 4 X 1-Liter Amber Glass Bottles |
| Analysis (Medlum Level*) | 1 Gallott | | 32-oz, Wide-Mouth Glass Jars |
| Volatile Analysis (Low or Medium Level*) | 80 ml. | | 2 X 40-ml. Glass Vials |

| Required Volume | | Container Type |
|--------------------|-----------------|---|
| 6 oz. | | 1 X 8-oz.Wide-Mouth Glass Jar |
| | | OR |
| 240 ml. | | 2 X 4-oz. Wide-Mouth Glass Jars |
| | | 2 X 120 ml. Wide-Mouth Glass Vials† |
| | Volume 6 oz. | 6 oz. |

†Soil VOA Vials under study, subject to change, check to ensure proper sealing.

HIGH CONCENTRATION SAMPLE COLLECTION REQUIREMENTS

| Liquid or Solid Samples | Required Volume | Container Type |
|-----------------------------------|--------------------|----------------------------------|
| Extractable and Volatile Analysis | 6 oz. | 1 X 8-oz.Wide-Mouth Glass Jar |



*All Medium and High Level Samples to be Sealed in Metal Can for Shipment

1. Organic Sample Collection Requirements

- Please indicate sample to spike and/or duplicate.
- Ship medium and high concentration samples in paint cans.
- Aqueous samples require one triple-volume sample per twenty for Matrix Spike/Matrix Spike Duplicate.
- Oily samples must be analyzed under the Special Analytical Services (SAS) program.
- Confirmatory analysis and Special Analytical Services (SAS) parameters may require extra volume; for SAS
 consult specified SAS methods for requirements.
- Additional sample volume not required for method OLC01.

2. Cooler and Sample Documentation

- Complete all sections of the Traffic Report/Chain of Custody Form Press firmly with a ball point pen to ensure that carbon copies are legible. Check the information and correct any errors.
- Please remember to complete the Chain of Custody information on the form.
- Seal the two sets of laboratory Traffic Report/Chain of Custody form copies in a plastic bag. Include a return address for the cooler. Tape bag under cooler lid.
- Overlap the lid and bottle and bottle of each sample container with custody seals.
- Seal each container in a plastic bag.
- Pack medium and high concentration samples in metal cans.
- Cool low waters to 4° C. Cooling of low soils is optional. Do not cool medium or high concentration waters and soils.
- Separate and surround cooler contents with vermiculite or equivalent packaging.
- Seal the cooler, overlapping the lid and body with custody seals.
- FAX SMO a copy of the Traffic Report/Chain of Custody Form as soon as possible. Send SMO the pink copy of the Traffic Report within 5 days.
- In column E RAS analysis indicate number of sample bottles sent for analysis.

3. Sample Shipment Reporting

PHONE IN ALL SHIPMENTS IMMEDIATELY TO SMO (or to RSCC, if instructed)

Required information:

Case (and/or SAS) Number

Date shipped

Number of samples by concentration and matrix

Carrier and airbill number

Next planned shipment

Leave your name and a number where you can be reached.

- Information for SATURDAY DELIVERIES must be phoned in by 3:00 PM (Eastern) the preceding FRIDAY.
- Report any delays or changes of scope (i.e., changes in number of samples to be collected, matrix changes, etc.)
- CALL IF YOU HAVE ANY QUESTIONS

USEPA Contract Laboratory Program

Sample Management Office

P.O. Box 818

Alexandria, VA 22313

Phone: (703) 557-2490

(703) 684-5678

FIELD LOG FORM

| | | | Analysis and Phase | Laboratory | Chain-Of-Custody | <u> Airbill Number</u> | |
|---------------|-------|----------|---------------------------|------------|------------------|------------------------|--|
| Case Number: | 514 | | | | | | |
| ite Name: Mad | hue | Lundhill | | | | | |
| DD Number: 37 | 263 - | 35 | | | | | |
| Date: 12-05 | | | | | | | |

| 200 | Sample Identifier | Phase | Time | Sampler | Organic Traffic Report | Organic Yag Number | Inorganic Traffic Report | Inorganic Tag Number | рН | Conductivity MU/CM |
|-----|----------------------|---------|------|---------|---------------------------|--------------------------------|-----------------------------|--------------------------------|------|--------------------|
| 1 | matrix - PW-1 | Aqueous | 1055 | L.C. | CJP-ai | 3-1160973 thru 3-1160982 | MCJP 20 | 3-1160983 3-1160986 | 7.45 | 0.685 |
| 1 | HW-1 | Aqueods | 1045 | R.C. | CJP-22 | 3-1160987 +hru 3-1160991 | MCJP21 | 3-1160992 3-1160993 | 7,24 | 0.451 |
| " | HW-2 | Aqueous | 1133 | R,C. | C5P23 | 3-1160994 #hru 3-1160998 | MCJPZZ | 3-1160999 thru 3-1161000 | 7,01 | 0.544 |
| | SW-1 | Aqueous | 1300 | CM | CJP 24 | 3-1157823 thru 3-1157827 | MLJP23 | 3-1157828 3-1157829 | 7.00 | 0.153 |
| - | 5'W-2 | Aqueous | 1215 | CM | CJP25 | 3-1157830 thru 3-1157834 | MCJP 24 | 3-1157835 thru 3-1157836 | 6.98 | 0.176 |
| 7 | SW-3 | Aqueous | 1130 | CM | CJP26 | 3-1157837 HAVU 3-1157841 | MCJP 25 | 3-1157842 3-1157843 | 7.12 | 0.367 |
| 7 | Sw-4 | Aqueous | 1045 | C.M. | C5P27 | 3-1157844 3-1157848 | MLJP 26 | 3-1157849 3-1157850 | 7.14 | 0.307 |
| , | SW-5 | Aqueous | 1255 | R.C. | CJP 28 | 3-1134108 thru 3-1134112 | MCJP27 | 3-1134113 +hru 3-1134114 | 7,15 | 0.152 |
| 7 | Sw-6 | Aqueous | 1220 | Dω | CJP 29 | 3-1134715 thru 3-1134119 | мстР28 | 3-1134120 thru 3-1134121 | 7.12 | 0.168 |
| - | 5W-7- | Aquevis | 1219 | CM | CJP 30 | 3-1134122 thru 3-1134126 | MUJP 29 | 3-1134127 3-1134128 | 6.98 | 0.176 |

Project Leader Signature:

Date:_____ Verified by:_____

Date:_____

Supplement to Log Book No.:_____

Log Sheet _____ of ____

sion date: 12/18/90

FIELD LOG FORM

| • | x | | Analysis and Phase | Laboratory | Chain-Of-Custody | <u> Airbill Number</u> |
|-------------|-----------|----------|--------------------|-------------------|------------------|------------------------|
| ase Number: | 17514 | | | | | |
| ite Name: | machine L | and fill | | | | |
| | 3263-0 | | | | | ν, |
| - | 2-5-91 | | | | | |

| | Sample Identifier | Phase | Time | Sampler | Organic Traffic Report | Organic Tag Number | Inorganic Traffic Report | Inorganic Tag Number | рН | Conductivity |
|---|----------------------|-------|--------------|---------|---------------------------|--------------------------------|-----------------------------|-------------------------|--|--|
| 1 | 50-1 | solid | 130 G | CM | CJP 38 | 3-1/34129 3-1/34132 | MITP 30 | 3-1134133 | | |
| 1 | Sd-2 | solid | 1225 | G9 | CJP 52 | 3-1134134 thru 3-1134137 | MUJP51 | 3-1/34/38 | *************************************** | |
| 4 | Sd-3 | solid | 1135 | G-D | CJ153 | 3-1134139 3-1134142 | MUJP 52 | 3-1134143 | | |
| 1 | 50-4 | solid | 1045 | CM | CJP 54 | 3-1134144 3-1134147 | MLJP 53 | 3-1134 148 | - | , and a second s |
| 7 | 50.5 | solud | 1315 | R.C. | CJP55 | 3-1140966 | MLJP 38 | 3-1140775 | , | |
| , | 52-6 | sold | 1225 | Δ٧ | CJP 56 | 3-1140776 thru 3-1140779 | MUJP61 | 3-1140780 | | And a second control of the control |
| 7 | Sd-7 | Solid | 1230 | CM | CJP57 | 3-1140781 thru 3-1140784 | MCJP62 | 3-1140785 | | |
| , | 5-1 | solid | 1300 | GP | CJP58 | 3-1140786 thru 3-1140789 | MCJP 63 | 3-1140790 | registration and control of the Annual Contr | |
| - | 5 -2 | solid | 1015 | RC | CJP 59 | 3-114079/ 140794 | MCJP 64 | 3-1140795 | **Perconception and Conference of Transport | ************************************** |
| 7 | 5-3 | Solid | 1330 | cm | CJP 60 | 3-1140796 thru 3-1140799 | MCJP65 | 3-1140800 | | - Carrier C |

| Project Leader Signature: | Date: | Verified by: | Date: |
|-----------------------------|--------------|--------------|-------|
| Supplement to Log Book No.: | Log Sheet of | • | ~ |

FIELD LOG FORM

| All | Analysis and Phase | Laboratory | Chain-Of-Custody | <u> Airbill Number</u> |
|----------------------------|---------------------------|------------|------------------|------------------------|
| Case Number: 17514 | | | | |
| ite Name: Mactive Landfill | | | | |
| DD Number: 3263 - 05 | | | | |
| Date: 12-5-91 | | | | |

| Sample dentifier | Phase · | Time | Sampler | Organic Traffic Report | Organic Tag Number | Inorganic Traffic Report | Inorganic Tag Number | рН | Conductivity |
|---------------------|---|--|--|---|---|--|--|---|--|
| _ | solid | 1225 | G-D | CJP 61 | 3-1156326 2-1156329 | MCJP66 | 3-1156330 | | |
| , I | Solid | 0935 | RC | CJP 62 | 3-1156331 3-1156336 | тс ГР 67 | 3-1156337 | | no describer de la constitución de |
| 5-2 | Solid | (A30 | GD | CJP 63 | 3-1156338 thru 3-1156341 | MLJP 68 | 3-1156342 | | |
| 5-3 | Solid | 0940 | CM | CJP 64 | 3-1156343 Thru 3-1156346 | MCJP 69 | 3-1156347 | *** | gen die weerste de deer verbergen van de |
| | Aqueous | 1350 | LC | CJP65 | 3-1156398 | | | decimal temperature. | |
| Aqueous Blank- | Aqueoss | 1330 | LC | CJP66 | 3-1140961 3-1140965 | m(5P70 | 3-1/34/49 Thiu 3-1/34/50 | 5.80 | 0.010 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | ************************************** |
| | Sample dentifier Jop. 3-2) (Matrix) S-1- S-2 Trip - Junk Aqueous Blank- | dentifier Jop. 3-2) S-4- Solid (matrix) SS-1- Solid SS-2 Solid Trip - Aqueous Aqueous Aqueous Aqueous | dentifier Production (1925) Solid (1925) Solid (1935) Solid (1936) Solid (1930) Solid (1930) Solid (1940) Trip - Agreeus (1930) Agreeus (1930) | dentifier Phase Time Sampler 100, 3-2) 5-4- Solid 1225 G-D (matrix) 55-1- Solid 0935 RC 55-2 Solid 0940 CM Trip - Agreeus 1330 LC 9900005 Acres 1226 | dentifier Phase Time Sampler Report 10.5-2) 15-4- Solid 1225 GD CJP61 (mutrix) 15-1- Solid 09315 RC CJP62 15-2 Solid 0930 GD CJP63 15-3 Solid 0940 CM CJP63 17-17- Agreeus 1350 LC CJP65 | dentifier Phase Time Sampler Report Number 100, 3-2) 15-4- Solid 1225 GD CJP61 3-1156326 15-4- Solid 1225 RC CJP62 3-1156329 15-1- Solid 1235 RC CJP62 3-1156331 15-156336 15-2 Solid 1230 GD CJP63 3-1156341 15-156345 15-3 Solid 1240 CM CJP64 3-1156346 17-17- Aqueous 1350 LC CJP65 3-1156348 18-1156350 19-1156350 19-1156350 19-1156350 19-1156350 19-1156350 | dentifier Phase Time Sampler Report Number Report 10.5-2) 5-4-501.d 1225 GD CJP61 3-1156326 MCJP66 (Matrix) 55-1-501.d 09315 RC CJP62 3-1156331 MCJP67 155-2 Solid (1930 GD CJP63 3-1156338 MCJP67 155-3 Solid 0940 CM CJP63 3-1156341 MCJP68 155-3 Solid 0940 CM CJP64 3-1156346 MCJP69 1711-Aqueous 1350 LC CJP65 3-1156348 19902005 Avenue 1324 CC CJP65 3-1140961 | dentifier Phase lime Sampler Report Number Report Number Sp. 5-2) Solid 1225 GD CJP61 3-1156326 MCJP66 3-1156330 (Matrix) SS-1- Solid 09315 RC CJP62 3-1156331 MCJP67 3-1156337 SS-2 Solid (A30 GD CJP63 3-1156338 MCJP68 3-1156342 SS-3 Solid 0940 CM CJP63 3-1156343 MCJP69 3-1156347 TTIP - Aqueous 1350 LC CJP65 3-1156348 3-1156347 Mank Aqueous 1350 LC CJP65 3-1156350 Payeous 1 | dentifier Phase Time Sampler Report Number Report Number Phase Phase Time Sampler Report Number Report Number Phase Phas |

| | | | 43 |
|-----------------------------|----------------|--------------|-------|
| Project Leader Signature: | Date: | Verified by: | Date: |
| Supplement to Log Book No.: | Log Sheet of _ | | |

Project No.:

3263-0501-11

Site Name:

inactive Landfill

SITE SAFETY FOLLOW-UP REPORT

| Purpose of Field Work: To perform an | 5, 5, I |
|--|---|
| Actual Date of Work: 12-05-91 | |
| Actual Site Investigation Team: | |
| HNUS Personnel: | Responsibilities: |
| Linda Gurletta Gieg De Cowsky Rich Costello Charles Meyer Donald Whalen | Site leader Soo Sampler Sampler Sampler Sampler Sampler Sampler |
| Other: | Purpose: |
| | |
| Team Leader: Prepared by: Reviewed by: Approved by: Approved by: Paul Dauis Paul Dauis Approved by: | Date 12-12-91 12-12-91 1/17/72 1/17/52 |

Project No.:

Site Name:

1263-05 Inactive Landfill

PERSONAL PROTECTION EQUIPMENT

| | Respiratory | Protection | Field | Dress | |
|--|---|--|--|---|------------------------------------|
| List Each Activity as Specified in Approved Safety Plan | Level of Protection Specified in Safety Plan | Level of Protection Used During Field Activities | Clothing/ Gloves/Boots Specified in Safety Plan | Clothing/ Gloves/Boots Used During Field Activities | Explanation of Deviations (if any) |
| Surface water and Sediment Sampling | D | D | Cotton/ lutex & butyl/ work | Cotton/ lialex d butyl/ work | |
| Soil Sampling (Surface) | Д | Д | cotton/ latex of brigh/ work of slush. | Cotton latex of bottol Work of Sluck | |
| Homewells & Roduction well | D | D | Cotton / latex / work | Cotton/ lakk/ work | |
| Soil Sampling (Subsurface) | D | D | Cotton / luk K & butgl/ work & Slock | iston/ latex of butys/ work of slush | |
| | | | | | |

IF LEVELS B OR C ARE USED FOR RESPIRATORY PROTECTION, PLEASE INCLUDE ULTRA-TWIN OR SCBA USAGE LOGS.

Project No.: 3263 -05

Site Name: <u>Inachue Landfill</u>

a.

| Monitoring Equipment | Background Reading | Readings Above Background and Location(s) | Reading(s) in Breathing Zone | Action Taken |
|--------------------------------------|-----------------------|---|------------------------------------|--|
| H NU Probe: | | | | |
| OVM Probe: | | | | |
| OVA | 2. ppm | 1000 ppm 4-feet down in 55-1 ooger hole | 2.0 ppm | Avoided getting close to hole. Stayed Well about hole opening in clean breathing zone. |
| Monotox HCN: H ₂ S: | | | | |

| 1 | b. (| Otl | her | Mon | itorin | a Eaui | pment |
|---|------|-----|-----|-----|--------|--------|-------|
| | | | | | | | |

| Descr | ibe purpo | se, readi | ng(s), an | d action | (s) takeı | า: | | N/ | 4 | | |
|--------|-----------|------------|-----------|----------|-----------|---------|-------------|-------|----------|-------|------|
| | | | | | | | | | | | |
| | ···· | | | | <u></u> | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | , | |
| Specia | al Monito | ring Instr | uments (| (Dreage | r Tubes, | Air-Sam | pling F | 'ump: | s, etc.) | | |

Project No.:

32

Site Name:

tractive landfill

c. Radiation

| • | Readings above background? | Yes | No | |
|---|---|-----------------------|----------|----|
| | If yes, specify where readings were fou | und and what action w | as taken | NA |
| | | | | |
| | | | | |

d. Heat Stress/Cold Stress

| • | Ambient Temperature: | Day 1_35°F | Day 2 | Day 3 |
|---|----------------------|------------|-------|-------|
| | | | | |

- - If yes, please attach heat stress monitoring sheet.
- Was a monitoring/break schedule followed: Yes_____ No_____

If no, explain: It wasn't neccessary

Project No.: 3263-05
Site Name: Inachul landfill

GENERAL SAFETY

| _ | |
|----|--|
| m | onfined Space Entry (a tank, vessel, silo, storage bin, hopper, vault, pit, diked area, abandoned build anhole, or any other enclosed space with limited means of exit or entry that is not designed for contine ecupancy) |
| | id any team member enter a confined space area?YesNo yes, please explain. NA |
| | ACCIDENT REPORT INFORMATION |
| Di | Chemical Exposure Illness, discomfort, or unusual symptoms Environmental Problems (heat, cold, etc.) |
| | olain: VIA |
| _ | |

| Project No.: | 3263-05 | 86 |
|--------------|-----------------|--------|
| Site Name | mactive landfil | 1 1000 |

SAFETY PLAN EVALUATION

| Were there any deviations from the Safety Plan? If yes, please explain. | Yes | No | |
|---|-------------------------------|----------------------------------|-------------------------------|
| | | | |
| Was the safety plan adequate? | Yes | No | |
| What changes would you recommend? | | | |
| | | | |
| | Was the safety plan adequate? | Was the safety plan adequate?Yes | Was the safety plan adequate? |

JOTTLE LOT FORM

| Case | Number: | 7 | '5 | 14 | <u>'</u> |
|------|---------|---|----|----|----------|
| | | | | | |

Site Name: Inactive Co

Date: 12-5-91

| Sample Identifier | Phase | 1/2 Gallon Amber | 40-ml VOA | 1 Liter Poly NaOH | 1 Liter Poly HNO ₃ | 1 Liter Poly (unspiked) | 1 Liter Amber | 8 oz. Glass Jar | Other |
|----------------------|-------|---------------------|----------------------|----------------------|----------------------------------|----------------------------|------------------|--------------------|-------|
| Matrix PW-1 | Ag | (4)1058022 | B9201473 | (2) 902419 3 | (2) 9024 193 | | | | |
| HW-1 | Aq. | (2)1058022 | (3)139201473 | L1)9024193 | (1)9024193 | | | | |
| HW-2 | Aq. | (2) 1058022 | (3)89201463 | (1)9024193 ' | (1)9024193 | | | | |
| 5W-1 | Aq. | (2)1057012 | (3) B920147 <i>3</i> | (1) 9024193 | (1) 9024 193 | | | | |
| 5W-2 | Ag. | (2)1057012 | (3)B9201473 | (1)9024193 | (1) 9024193 | | | | |
| SW-3 | Aq. | (2)1058022 | (3)B9201473 | (1) 105/022 | (1) 1051022 | | | | |
| Sw-4 | Aq. | (2)1058022 | (3)B9Z0147 <i>3</i> | (1)1051022 | (1) 1051022 | | | | |
| SW-5 | Aq. | (2)1057012 | (3) B9201473 | (1)1051022 | (1)1051022 | | | | |
| SW-6 | Aq. | (2) 1646042 | (3) B9201473 | (1) 105 1022 | (1)1051022 | | | | |
| (00p-5w-2) SW-7 | Aq. | (2)1046042 | (3) B9004583 | (1) 1051022 | (1)1051022 | | | | |

| Project Leader Signature: | Date: | Verified by: | Date: |
|-----------------------------|----------------|--------------|----------|
| Supplement to Log Book No.: | Log Sheet of _ | | Can Sala |

BOTTLE LOT FORM

| Case Number: | 17514 | | |
|--------------|----------|----------|--|
| Site Name: | Inactive | Landfill | |

TDD Number: 3263 - 05

Date: /2-05-9/

| Sample Identifier | Phase | 1/2 Gallon Amber | 40-mi VOA | 1 Liter Poly NaOH | 1 Liter Poly HNO ₃ | 1 Liter Poly (unspiked) | 1 Liter Amber | 8 oz. Glass Jar | Other |
|----------------------|--------------|---------------------|---------------|----------------------|----------------------------------|----------------------------|------------------|--------------------|-------|
| Aqueous Blank | Aq. (| 2)1046042 | (3)89004583 | (1)1051022 | (1)1051022 | | | | |
| 5-1 | solid Age | | (2)B9004583 | | | | | (3)1057022 | |
| 5-2 | Solid Ago | | (2) B9004583 | | | | | (3)1057022 | |
| 5-3 | Solid Ag | | (2) 139004583 | | | | | (3) 1057022 | |
| 5-4 (A.p) | Solid Ag. | | (2) B9201473 | | | | | (3)1057022 | |
| 55-1 (MX) | solid | | (4)B9004583 | | | | | (3)1057022 | |
| <i>5</i> 5-2 | sold | | (2) B9004303 | | | | | (3) 1057022 | |
| 55-3 | solid | | (a) 139201463 | | | | | (3)1057022 | |
| | solid | | (2) 39004303 | | | | | (3) 1057022 | |
| sd-2 | solid | | (2)184004303 | | | | | (3) 1057022 | |

| Project Leader Signature: | Date: | Verified by: | Date: |
|-----------------------------|----------------|--------------|----------|
| Supplement to Log Book No.: | Log Sheet of _ | | |
| | | | Z |

BOTTLE LOT FORM

| Case Number:_ | 17514 | | |
|---------------|----------|-----------|--|
| Site Name: | Inactive | Card Fell | |
| TDD Number: | 3263 - | 05 | |

Date: 12-05-91

| Sample Identifier | Phase | 1/2 Gallon Amber | 40-ml VOA | 1 Liter Poly NaOH | 1 Liter Poly HNO ₃ | 1 Liter Poly (unspiked) | 1 Liter Amber | 8 oz. Glass Jar | Other |
|----------------------|-------|---------------------|---------------|----------------------|----------------------------------|----------------------------|------------------|--------------------|-------|
| 54-3 | solid | (| 2)89004303 | | | | | (3) (057022 | |
| 54-4 | Suid | | (2) B9004303 | | | | | (3) 1057022 | |
| | solid | | (2) B900 4583 | • | | | | (3) 1057022 | |
| 52-6 | sold | | (2)B90045B3 | | | | | (3) 1057022 | |
| | sold | | (2)B0227073 | | | | | (3) 1052032 | |
| Trip | ag. | | (3)B9004303 | | | | | | |
| | | | | | | | | | |
| | | | : | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

| Project Leader Signature: | Date: | Verified by: | Date: |
|-----------------------------|-------------|--------------|-------|
| Supplement to Log Book No.: | Log Sheet o | f | - |

| Site Name: Inactive Landfill Background Information Site Status: Active Inactive Unknown Site Description (be specific; include topography, structures, etc.): The eleven acre site consists mainly of wooded areas with several Small Streams flowing through it. A brick garage the foundation of an old building, building demolision debits |
|---|
| Site Status:ActiveInactiveUnknown Site Description (be specific; include topography, structures, etc.): The eleven acre site consists mainly of wooded areas With Several Small Streams flowing through it. A brick garage |
| Site Description (be specific; include topography, structures, etc.): The eleven acre site consists mainly of wooded areas with Several Small Streams flowing through it. A brick garage |
| The eleven acre site consists mainly of wooded areas with several small streams flowing through it. A brick garage |
| with several small streams flowing through it. A brick garage |
| with several small streams flowing through it. A brick garage |
| the foundation of an old building, building demolision debits, |
| |
| and a growel parking area are located at the northern edge |
| of the site, motorbite paths are located in a section of the |
| wooded area. Rusted, decaying drums and an area devoid of |
| vegetation are located in the area of the alleged landfill. |
| |
| |
| Site History: |
| The Subject site was allegedly used for waste disposal in the |
| 1440's. The property was leased by a local waste hauter during the |
| time to store trucks. The hauler reportedly disposed wastes at the site |
| These wastes may have included averaft dials + gauges with radium based |
| point from Ametek-US Gauge of Sellersville, At some time prior to 1968, |
| Kso conducted an environmental assessment of the property and removed a plus- |
| the bag containing a Jur of radium paint, a broken Jor and Several cubic feet |
| Of contaminated Soil, Also, an automotive Service station was conducted out of the bruk building, Allegedly, automobile and untifrecze were disposed on the site. |
| Monitoring Used on Previous Site Work or Previous Sampling Data: |
| Radiation Contamination has been noted at the Site (See Site |
| history). Surface water and groundwater samples taken by Sellersville Borough at or near the Site revealed TCE up to |
| Sellersville Borough at or near the Site revealed TLE up to |
| 30 ug/i and 1,1,1-TLEA up to 54 ug/i. |
| |
| |
| |
| · |

| 1 | | Project No.: | 3263-056 | or Onlow |
|---|--|----------------|-----------------|----------------|
| | | Site Name: | mactive Long | Shill Red |
| Hazard Evaluation | | | | |
| • Waste Types: | Liquid | Solid | Sludge | Vapor |
| • Characteristics: | Corrosive | lgnitable | Radioactive | |
| _ | Volatile | Toxic | Reactive | |
| _ | Unknown | Other: | | |
| | | | | |
| Task: Surface we | ater and Sediment. | Samples Low | Medium | High |
| | azards/Hazard Assessment: | . 1 | | |
| Hazard's are | e expected to | be low, Prec | authors will b | se taken to |
| | hazards includ | | | d areas, |
| Splash gogg. | les, and dermal | protection. | | |
| | amples (Surface) | Low | Medium | High |
| | azards/Hazard Assessment: | | / 1 | |
| Precautions | will be taken I in the old land | to avoid has | (it not all) | based paint |
| | In the old land | filly but mo. | st" has alread | dy been re- |
| moved. | | | | |
| Task: <i>Homewells</i> • Identification of Ha | The Production we are strong azards/Hazard Assessment: | 1/1 Low | Medium | High |
| | d is assigned | Since the ho | menuells are | sed for |
| drinking & Co | tact will be avon | ded. The air | stripper for # | he PW NO.5 |
| used to strip | tact will be avoice organis | from groundwat | Cr. A low huzar | d rating 15 qu |
| | mples (subsurface | L) Low | Medium | High |
| | zards/Hazard Assessment: | 1 0 1 1 | - 1- 1- | , , |
| Mecautions | will be taken | to avoid h | " Radio | in based |
| point was | dumped in H | Le old landt | 11. Most, 1+ | not all, |
| has alread | y been remove | d. Buried dr | ms could pose | both a |
| physical and Overall Hazard: | environmental huzar Serious | | Couring augerin | g, |
| _ | Low | Unknown | | |
| | | | | |

3 - 19

Page 4 of 19

Project No.: 3263-45

Site Name: Inachue Land FIL

| í | ing | | 11.7 | On the p |
|---|--|--|---|---|
| | Special Monitoring Instrument | Drawger | Draeger Hnu 10.2,11.7 | Radiation minialent monitoi |
| | Reactivity, Stability, Flammability | PEL 350ppm Incompatible with TLV 350ppm Strong bases, 10cit 1000 ppm Strong Oxidizers, 10cit 1000 ppm Chem. active mulals Al, mg, Na, K | = 50 ppm Incompatible = 50 ppm with Stony boxs care. mtals = Ba, Li, | Hyhly demyrous must be ket baul. Shielded and Stored away from possible dissem- ination by explosur flood, fire, etc. |
| - | РЕС, ТСV, ІОСН | PEL 350ppm TLV 350ppm 10cH 1000ppm | PEL = 50 ppm TLV = 50 ppm IDLH = Carc. | |
| | ПР | 11,25 | 9.41 | 4 |
| | Toxic and Pharmacological Effects | mild chloroform like odor 15 narcotte. Depresses the Central nervous system. Liguid & vapor irritutes eyes. Repented Contact may produce dry, Seoily and fissured sien. Causes dizziness, uncoordination | Lawre animal carinoger when who haled can cause blurred Usion, vertigo, sleepy news, lagestion can cause tremors, sleepiness, and huddaches, contact can cause eye, nose, throat, and skin iritation. | A highly radiotatic elemn inhalution, ingestion, or badily exposine can cause living lancer. Skin dumany and blood dyserasis. A common or continuent. Exposive for long periods of time may it lethal. |
| | Media | Somby | 30, egli ciqueous | |
| | Concentration | 54. 14/1c Agueros | 38.6% | |
| | Hazardous/Toxic Known or Suspected Materials | 1,1,1-Trichloro- ethan 71-55-6 | Trichloroethylene 79-01-6 | Radron |

Project No.: 3263 - 05

Site Name: Mactive Landfill

Task: Surface water & Sediment Sampling

| Task | Name | Respiratory | Clothing Cotton = C Saranex = X Tyvek = T Poly = P | Gloves Butyl = B Cotton = C Latex = L Viton = V Neoprene = N | Boots Fireman's = F Latex = L Work = W Slush = S Insulated = I | Other; Modifications |
|------------------------|--|------------------|--|--|--|---|
| PM PM | Paul Davis | D | С | none | w | 1 A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| SSO | Linda Ciarletta | D | C | none | W | |
| SMO | | | | | | |
| Surveillance | en programme en | | Profession (Control of Control of | h | es et a la l | |
| (PA, Site Recon, Etc.) | | | | | · | |
| | If HNU readings exceed backgr will upgrade to Level B. An HN performed will be noted and to | IU reading above | background in a | material being sa n area where wo | mpled, team rk is not being | |
| Samplers | | | | | | |
| | Grey Decowsky | D | C | 4/3 | W/S | Sphsh goggles |
| | Rich Costello | D | C | LIB | w/5 | Splash goggles |
| | Charles muyer | D | C | LIB | W/5 | Splash Goggles |
| | | | | | | , |
| 4. 类型。 | | | | | | |
| Other Control | the group and the second secon | | | | | |
| 1 | | | | | | |
| Decontamination | Everyone | D | C | UB | WIS | solush goggles |
| | | | | 7 4 | | , , , , |

Project No.: 3263 - 05036 Project No.: 3263 - 05036 Project No.: 100 Proje

SITE SAFETY PLAN

| Site Name: Mactive Landtill | Site Contact: Charles Andrichyn |
|--|--|
| Address: Old Route 309 and 13ths | Phone Number: (215) 362-2715 |
| Sellersuille, Pa. 18960 | Other Contacts: Cassin Craig 215-825-840 |
| | EPA: Lynntte Elser 597-833 |
| | State: Fred Walter 832-6212 |
| Purpose of Site Visit: <u>Aerform an 5</u> | S.I on the Subject Site. |
| Proposed Date of Work: December 05 |) 1991 |
| Proposed Site Investigation Team | • |
| NUS Personnel: | Responsibilities: |
| Paul Davis | site Leader |
| Linda Ciarletta | 350/Sampler |
| Grey De Cowsky | Sampler |
| Rich Costello | 5ampler |
| Charles Reyer | Sangler |
| | |
| | |
| Other: | Purpose: |
| other. | , urpose. |
| | |
| | |
| | |
| | d Daries 11/14/91 Date 1/15/21 |
| Approvals Reviewed by Marcia | in f |
| ARCS III Health and Safety Manager: | 11/2 a /91 Date/ |
| • Project Manager: | 1/27/91 Date |
| | |

Project No.: 3263 - 05

Site Name: Muctive Landfill

Task: Soil Sampling (Surface)

| Task Name Respiratory Respir | · · · · · · · · · · · · · · · · · · · | <u> </u> | | | · | | |
|--|---|--|---|--|--|---|---|
| SMO Surveillance (PA, Site Recon, Etc.) If HNU readings exceed background in the ambient air or at the material being sampled, team will upgrade to Level B. An HNU reading above background in an area where work is not being performed will be noted and team members will leave the area. Samplers Greg Occowsky D C L/B W/S Rich Costello D C L/B W/S Charles muyer D C L/B W/S Charles muyer D C L/B W/S Charles myer D C L/B W/S Solash 4099/LS | | Name Name | Respiratory | Cotton = C Saranex = X Tyvek = T | Butyl | Fireman's = F Latex = L Work = W Slush = S | Other; Modifications |
| SMO Surveillance (PA, Site Recon, Etc.) If HNU readings exceed background in the ambient air or at the material being sampled, team will upgrade to Level B. An HNU reading above background in an area where work is not being performed will be noted and team members will leave the area. Samplers Green Decowsky D C L/B W/S Rich Costello D C L/B W/S Charles muyer D C L/B W/S Charles muyer D C L/B S Splash goggles Other | PM | Paul Davis | D | | None | ω | Kanada (1994) - Barangalang kang berminan berminan berminan |
| Surveillance (PA, Site Recon, Etc.) If HNU readings exceed background in the ambient air or at the material being sampled, team will upgrade to Level B. An HNU reading above background in an area where work is not being performed will be noted and team members will leave the area. Samplers Greg Decowsky D C L/B W/S Ruch Costello D C L/B W/S Charles muyer D C L/B W/S Charles muyer D C L/B W/S Splingly Sp | SSO Marina | Linda Ciarletta | D | C | None | ω | |
| Surveillance (PA, Site Recon, Etc.) If HNU readings exceed background in the ambient air or at the material being sampled, team will upgrade to Level B. An HNU reading above background in an area where work is not being performed will be noted and team members will leave the area. Samplers Greg Decowsky D C L/B W/S Rich Costello D C L/B W/S Charles muyer D C L/B W/S Charles muyer D C L/B W/S Splush goggles Decontamination Foregore | SMO | who is a second | | | | | |
| If HNU readings exceed background in the ambient air or at the material being sampled, team will upgrade to Level B. An HNU reading above background in an area where work is not being performed will be noted and team members will leave the area. Samplers Greg Decowsky D C L/B W/S | Surveillance | to the Appendix of the second | | . A transfer of | | ing the second of the second | · · · · · · · · · · · · · · · · · · · |
| will upgrade to Level B. An HNU reading above background in an area where work is not being performed will be noted and team members will leave the area. Samplers Greg Decowsky D C L/B W/S Rich Costello D C L/B W/S Chadles muyer D C L/B W/S Other Other Other Decontamination Eury M D C W/S Splash goggles | (PA, Site Recon, Etc.) | and Marine Committee of the Committee of | | | | * | |
| Rich Costello D C L/B W/S Charles muyer D C L/B W/S Other Other Decontamination Everyone Everyo | | If HNU readings exceed backgr will upgrade to Level B. An HN performed will be noted and to | ound in the amb IU reading above eam members wi | ient air or at the re background in a Il leave the area. | naterial being sa n area where wo | mpled, team rk is not being | |
| Charles muyer D C L/B W/S Other Other Decontamination Everyore D C L/B W/S Splush 4094125 | Samplers | Grea Decowsky | D | C | L/B | ω/s | * * |
| Charles muyer D C L/B W/S Other Other Decontamination Everyore D C L/B W/S Splush 4094125 | 1 1 2 3 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | Rich Costello | D. | C | LB | w/s | |
| Other Other Decontamination Everyore Decontamination Everyore Decontamination Other O | . yst ∰ | | | <u></u> | L/3 | WIS | |
| Other Other Decontamination Eury on | , | | | | | | |
| Other Compared to the property of the prope | and the second of the second of | | | | , | | |
| Decontamination C C C C C C C C C | | | | · | | | |
| また。 カードのは、赤海、水道機構機構が高級機能機能を発展しています。 マー・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・ | Other | tra pasak akang trapak kang pang pasakan paga 19 | W E E | A SERVICE STREET | and the second section of the second section of | and the state of the state of | rank oktor Modulet of the second of the second |
| またが、このでは、大きな、大きな、大きな、大きな、大きな、大きな、大きな、大きな、大きな、大きな | | | | | | | , |
| またが、このでは、大きな、大きな、大きな、大きな、大きな、大きな、大きな、大きな、大きな、大きな | Decontamination | | | | The state of the s | in regarding common of the things of the second | solush goggles |
| | ent de la companya d | | 19 (19) A | Mary & Service Property | | te different de la production de la company | |

Project No.: 3263 - 05

Site Name: Inactive Landfill

Task: Homewells & Production well- Air Stripper

| Task | Name | Respiratory | Clothing Cotton = C Saranex = X Tyvek = T Poly = P | Gloves Butyl = B Cotton = C Latex = L Viton = V Neoprene = N | Boots Fireman's = F Latex = L Work = W Slush = S Insulated = I | Other; Modifications | | |
|------------------------|---|-------------|--|--|--|----------------------|--|--|
| PM | Paul Davis | D | C | None | W | | | |
| SSO | Linda Ciurletta | D | C | None | W | | | |
| SMO | | | | | | | | |
| Surveillance | · | | | | | • . | | |
| (PA, Site Recon, Etc.) | | | | | | | | |
| | If HNU readings exceed background in the ambient air or at the material being sampled, team will upgrade to Level B. An HNU reading above background in an area where work is not being performed will be noted and team members will leave the area. | | | | | | | |
| Samplers | Grey Decowsky | D | ر | ۷ | W | | | |
| | Rich Costello | Δ | C | L | W | | | |
| | Chailes Meyer | ۵ | C | L | W | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | · | | | | | |
| Other | | | | | | | | |
| | | | | | | | | |
| Decontamination | Everyone | D | C | L | W | Solash gogales | | |
| | | | ÷ | | | 7 3 00 | | |

Project No.: 3263-05
Site Name: Inachwe Landfill

Soil Samples (subsurface)

| Task | Name | Respiratory | Clothing Cotton = C Saranex = X Tyvek = T Poly = P | Gloves Butyl = B Cotton = C Latex = L Viton = V Neoprene = N | Boots Fireman's = F Latex = L Work = W Slush = S Insulated = I | Other; Modifications |
|------------------------|---|---|---|--|--|----------------------|
| PM | Paul Davis | \mathcal{D} | <u></u> | None | W | |
| SSO | Linda Ciarletta | D | C. | none | w | |
| SMO | | | | | | |
| Surveillance | | | | : | | |
| (PA, Site Recon, Etc.) | · | | | | | |
| | If HNU readings exceed backgr will upgrade to Level B. An HN performed will be noted and to | ound in the amb IU reading above eam members wi | ient air or at the r background in a Il leave the area. | material being sar n area where wor | mpled, team k is not being | |
| Samplers | Greg Deconsky | D | ے | L1B | W/S | |
| · | Rich Costello | D | <u></u> | 43 | W/S | |
| | Rich Costello Charles meyer | D | C | L/B | w/s | |
| | | | | | | |
| Other | | | | | | |
| 2 | | | | | | |
| Decontamination | Evergent | D | C | LB | w/s | Splast goggles |
| 2 | L | | L | L | | |

| | Project No.: | 3263-05 | ORIGINAL |
|---|---------------------------------------|--|-----------------------------|
| | Site Name: | Inactive Land | 1611 |
| Proposed On-Site Activities | | | |
| Subsurface and Surface soils, and groundwater samples will of all sample locations and | Surface" | akr and Sediment | Samples, |
| of all sample locations and log book. | Observati | ions will be rec | orded in the |
| Monitoring Procedures | | | |
| Site Monitoring Equipment: | | | |
| HNU (Probe:10.2 or11.7) | | | |
| OVM (Probe:10.0 or11.8) | Radia | tion Mini-Alert/Monitor | 4 |
| OVA | | | • |
| Monotox (CNH ₂ S) | Explo | simeter | |
| Draeger Tube and Pump | O ₂ M | eter | |
| Type: | Enme | t (combustible gas/O ₂ /CC | D/H ₂ S) |
| Other: | | | |
| Frequent monitoring with the Soil Samples and Surface we performed. Monitoring Equipment Calibration | | | |
| ✓ HNU | | | |
| As per manufacturer's recommendations, a fie Calibration dates are recorded in the project logical control of the proje | eld calibration i ogbook. | s necessary once every th | ree days. |
| OVM | | | |
| As per manufacturer's recommendations, a fie Calibration dates are recorded in the project lo | | s necessary once every th | ree days. |
| OVA | | | |
| As per manufacturer's recommendations, a field Calibration dates are recorded in the project long | eld calibration i ogbook. | s necessary every three d | ays. |
| Mini-Alert | | | |
| A battery check and a response check were maintenance immediately prior to instrument use in the field logbook. | ade prior to lea ld. This field pr | ving the ARCS office and ocedure will be documer | will be made nted in the |
| Other | | | |

| Project No.: | 32 | 3263 - 05 | | - Profile | | |
|--------------|----|-----------|--|-----------|--|--|
| | | | | 1011 | | |

| Site Name: | machine | Land GII | |
|------------|---------|----------|--|
| | | | |

| Decontamination | n and D | <u>isposal</u> |
|---|---------|--|
| Personnel Decon | tamina | tion: Check level to be utilized. |
| Level A | - | Segregated equipment drop, boot cover and glove wash, boot cover and glove rinse, tape removal, boot cover removal, outer glove removal, suit and hard hat removal, SCBA backpack removal, inner glove wash, inner glove removal, inner clothing removal, field wash redress. |
| Level B | - | Segregated equipment drop, boot cover and glove wash, boot cover and glove rinse, tape removal, boot cover removal, outer glove removal, SCBA backpack removal, suit and hard hat removal, inner glove removal, field wash. |
| Level C | - | Segregated equipment drop, boot cover and glove wash, boot cover and glove rinse, tape removal, boot cover removal, outer glove removal, suit/safety boot wash, suit/safety boot rinse (canister or mask change), safety boot removal, splash suit removal, inner glove removal, field wash. |
| Level D | - | Segregated equipment drop, boot and glove wash, boot and glove rinse, field wash. |
| No person | | ecify): |
| Equipment Decor Equipment Gleonox w | | ed for Sampling will have a gross wash, water rinse, methanol rinse and (2) distilled water rinse |
| • | | evated on site will be bagged and properly |
| disposed | , | exated on site will be bagged and properly |

Ionizing Radiation: Normal background 0.01 to 0.02 mR/hr

- If less than 2 mR/hr, continue investigation with caution
- If greater than 2 mR/hr, evacuate site
- * Note: Background 10 to 20 CPM on mini-alert

10 . 19

Project No.: 3263 - 05
Site Name: Inachue Landfill

SITE OPERATING PROCEDURES/SAFETY GUIDELINES

- 1. Always observe the buddy system. Never enter or exit a site alone, and never work alone in an isolated area. Never wander off by yourself.
- 2. Always maintain line-of-sight.
- 3. Practice contamination avoidance. Never sit down or kneel, never lay equipment on the ground, avoid obvious sources of contamination such as puddles, and avoid unnecessary contact with on-site objects.
- 4. No eating, drinking, or smoking outside the designated "clean" zone.
- 5. In the event PPE is ripped or torn, work shall stop and PPE shall be removed and replaced as soon as possible.
- 6. Be alert to any unusual changes in your own condition; never ignore warning signs. Notify Health and Safety Coordinator as to suspected exposures or accidents.
- 7. A vehicle will be readily available exclusively for emergency use. All ARCS personnel going on site shall be familiar with the most direct route to the nearest hospital.
- 8. In the event of direct skin contact, the affected area shall be washed immediately with soap and water.
- 9. Copies of the health and safety plan shall be readily accessible at the command post.
- 10. Note wind direction. Personnel shall remain upwind whenever possible during on-site activities.
- Never climb over or under refuse or obstacles. Use safety harness/safety lines when sampling 11. lagoons, streambeds, and ravines with steep banks.
- 12. Hands and face must be thoroughly washed before eating, drinking, etc.
- 13. Any modifications to this safety plan *must* be approved by the HSM or designee.

Special Procedures:

| Employees will extreme contion while augering in the fill a | rea. |
|---|---------|
| If any resistance is not, that auger location will be abone | doned |
| and a new location will be chosen. The concern is the po- | tertial |
| to puncture a buried drum. | , |
| | |

| Project No.: | 3263. | Don. | |
|--------------|--------|----------|--|
| Site Name: | huchva | Landfill | |

SITE PROCEDURES (continued)

| Safety Glasses | <u> </u> |
|-----------------------------|---|
| | Safety glasses will be worn in heavily wooded areas where the potential of an eye injury may exist. |
| LifeAir ₁₀ Escar | pe Packs |
| | Survivair L-505 escape packs will be carried or located within proximity to ARCS members whenever an SCBA is not readily available on site. |
| Heat and Cold | Stress Monitoring |
| | Team members will follow heat stress monitoring procedures. |
| | Team members will follow cold stress monitoring procedures. |
| Confined-Space | ce Entry |
| | No attempt will be made to enter abandoned buildings, manholes, tanks, or any other confined areas. |
| | Other: |
| | |
| Medical Surve | <u>illance</u> |
| | No site-specific medical surveillance is required for this task. |
| | Medical surveillance will be as follows: |
| | |
| | |
| Personnel Mo | nitoring |
| | Personnel monitoring will include only the use of the TLD badge. No further personnel monitoring is required. |
| | Personnel monitoring will consist of: |
| | |
| | |
| - | |

Project No.: 3263-05

Site Name: Inacture Landfill

| | Paul | 1 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | | P TE | 1 2 d 3 d 3 d 3 d | | | / | / | / | | / |
|-----------------------|-------|---|------|-------|-------------------|------|------|------|------|------|------|------|
| Торіс | Date | Date | Date | Date | Date | Date | Date | Date | Date | Date | Date | Date |
| 40-Hour Introductory | 11/40 | 10/89 | 3/90 | 10/39 | કોંક્ય | | | | | | | |
| 8-Hour Refresher | | 3/91 | 3/91 | 3/91 | 12/90 | | | | | | | |
| 8-Hour Supervisor | 3/41 | 9/89 | 3/91 | 9159 | 6/59 | | | | | | - | |
| SCBA Review | 10/41 | 10/91 | 6/91 | 6/91 | 10/91 | | | | | | | |
| Fit Test (Ultra-Twin) | 2/91 | 611 | 6/91 | 6191 | 6/91 | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
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| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

Project No.: 3263-65

Site Name: Inachve Landfill

EMERGENCY SITUATIONS

Air Releases or Fire/Explosion:

In the event of an unexpected air release or fire/explosion, on-site personnel will travel at a right angle to the upwind direction. The site safety officer (SSO) will then account for all personnel and notify the proper emergency agencies.

In the event the SSO is unavailable, the project manager will assume these responsibilities.

Emergency Site Control:

In the event of an emergency, the SSO will discourage any unauthorized personnel from entering the site. If necessary, the SSO will contact the proper authorities.

Personnel Injury:

If on-site personnel require emergency medical treatment, the following steps will be taken:

- 1. Evaluate the nature of the injury.
- 2. Decontaminate to the extent possible prior to administration of first aid or movement to emergency facilities.

First Aid Procedures:

Remove contaminated clothing. Wash immediately with water. Use soap if Skin Contact:

available.

Remove from contaminated atmosphere. Apply artificial respiration, if Inhalation:

necessary. Transport to hospital.

Ingestion: Never induce vomiting on an unconscious person. Also, never induce vomiting

when acids, alkalis, or petroleum products are suspected. Contact the poison

control center.

In the event that air monitoring equipment fails to operate, all personnel will Equipment Failure:

exit the site *immediately* and notify the HSM or designee for further

instructions.

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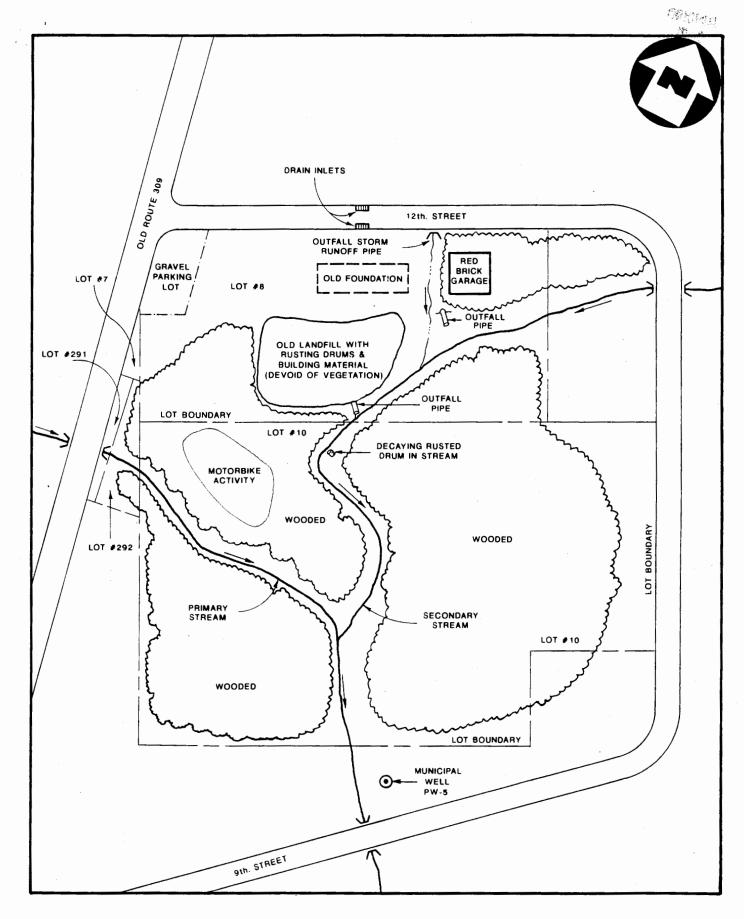
| | | | Site Name: | Machve | Land HII |
|------------------|--------------------|-----------------------|----------------------|---------------------------------------|------------------------|
| Communication | on Procedures: | | | | |
| Horn blast, sire | en, etc. is the em | ergency signal to in | dicate that all pers | onnel should leave | e the exclusion zone. |
| The following | standard hand s | ignals will be used i | n case of failure of | radio communicat | ions: |
| • Hand | gripping throat | · | | Out of air, c | an't breathe |
| • Grip p | artner's wrist or | both hands around | waist | Leave area i | mmediately |
| • Hands | on top of head | | | Need assista | nce |
| • Thum | bs up | | | OK; I am all | right; I understand |
| • Thum | bs down | | | No; negativ | e |
| | | | | | m². |
| The following | will be used on | an "as-needed" basi | s (check proper res | sponse): | |
| - | Not Applicable | : | | | |
| | Channel | has been design | ated as the radio f | requency for perso | onnel in the exclusion |
| | zone. All othe | r on-site communica | ations will use char | nnel | |
| | • | | • | | blished as soon as |
| | practicable. Th | ne phone number is: | () | · · · · · · · · · · · · · · · · · · · | |
| | Channels 1 ar | d 2 have been des | signated as the ra | adio frequency f | or personnel in the |

exclusion zone. Team members will make sure that all radios are on the same channel

before leaving the command post.

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Ministra Ministra



SITE SKETCH

INACTIVE LANDFILL SITE, SELLERSVILLE, PA.

(NO SCALE)



| roject No.: | 3263 - | 05 |
|-------------|--------|----|
| | | |

Inactive Landfill

即的物料

Emergency Information:

| • | Local | Resources: |
|---|-------|------------|
|---|-------|------------|

- Ambulance (name): Perkasie Ambulance Phone: 215 - 345 - 1411

Hospital (name): Grandview Haspital Phone: 215-453-4000

Police (local or state): <u>Seller suille Police</u> Phone: <u>215-257-5104</u>

- Fire Department: <u>Seitersuille Fire Dept</u>. Phone: <u>215 - 345 - 141</u>1 (name and volunteer?)

- Radio Channel: ______ Phone: _____

- Nearest Phone: _____ Phone: ____

Office Resources:

| - | ARCS III Office | (215) 971-0900 |
|---|---|----------------|
| - | EPA RPO - Gregory Ham | (215) 597-8229 |
| - | Office Manager - Leonard Johnson (home) | (215) 363-1723 |
| - | Project Manager - Andrew Frebowitz (home) | (215) 362-4734 |
| - | Safety - Marcia Case (home) | (215) 692-7729 |

• Emergency Contacts (medical and health):

* NUS Consulting Physician - University of Pittsburgh

Please follow procedures as outlined on the following page.

* John Mikan (ARCS III Health and Safety Officer)

* Regional Health Maintenance Program

* Poison Information Center (215) 922-5523

,

Directions to Hospital (attach map): From parking lot on site turn right on to

Old Rte. 309 N. Follow Rte. 309 N approx. 1/2 mile and turn left

onto Rte. 563 W. Follow for I mile to new Rte. 309 and take

Rte 309 S to Rerkusia exit (approx. 1/4-mile), Take a left.

Hospital 15 (3) blocks from exit on Right - 700 Calin Ave.

| Project No.: | 3263 | 05 |
|--------------|------|----|
| | | |

Site Name: Inachue Landfill

EMERGENCY PHYSICIAN ACCESS PLAN NUS CORPORATION SUPERFUND DIVISION DECEMBER 1986

A. MONDAY THROUGH FRIDAY, 9:00 AM TO 5:00 PM

Dial the (412) 648-3240 number. When answered, state that:

- 1. You are calling from NUS Corporation.
- 2. This is an emergency call.

Program staff will be alerted how to contact the physician designated to provide emergency coverage on that day. Collect calls will be accepted.

B. EVENINGS, WEEKENDS, AND HOLIDAYS

Dial the (412) 648-3240 number. An operator from the answering service will answer the telephone. Do the following:

- 1. Tell the operator that you are calling from NUS Corporation
- 2. Tell the operator that this is an emergency call.
- 3. Give her your name.
- 4. Give her the telephone number where the physician is to call. Be certain that she has written the correct number (area code and seven digits).
- 5. If you do not receive a call back within 15 minutes, place a second call to (412) 648-3240.

Collect calls will be accepted.

C. SITUATIONS WHERE EMPLOYEE REQUIRES IMMEDIATE TRANSPORT TO A HOSPITAL

If the situation is life threatening (i.e., cardiac arrest or person not breathing), call the emergency medical services system and transport the person to the nearest hospital with advanced life support capabilities.

After obtaining assistance as stated above, call the (412) 648-3240 number and follow the procedures in A or B as appropriate.

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